

Operation Manual

CD RECEIVER

FH-P6050UB

SUPER  **TUNER III** **D**

English

Thank you for buying this Pioneer product.

Please read through these operating instructions so you will know how to operate your model properly. *After you have finished reading the instructions, keep this manual in a safe place for future reference.*

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Before You Start

About this unit



CAUTION

- Do not allow this unit to come into contact with liquids. Electrical shock could result. Also, damage to this unit, smoke, and overheating could result from contact with liquids.
- Keep this manual handy as a reference for operating procedures and precautions.
- Always keep the volume low enough so that you can hear sounds from outside the vehicle.
- Protect this unit from moisture.
- If the battery is disconnected or discharged, the preset memory will be erased and must be reprogrammed.

About WMA



The Windows Media™ logo printed on the box indicates that this unit can play back WMA data.

Windows Media and the Windows logo are trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries.

- This unit may not operate correctly depending on the application used to encode WMA files.

About MP3

Supply of this product only conveys a license for private, non-commercial use and does not convey a license nor imply any right to use this product in any commercial (i.e. revenue-generating) real time broadcasting (terrestrial, satellite, cable and/or any other media), broadcasting/streaming via internet, intranets and/or other networks or in other electronic content distribution systems, such as pay-audio or audio-on-demand applications. An independent license for such use is required. For de-

tails, please visit
<http://www.mp3licensing.com>.

About AAC

This unit plays back AAC files encoded by iTunes®.

iTunes is a trademark of Apple Inc., registered in the U.S. and other countries.

Portable audio player compatibility

- Inquire at the manufacturer about your USB portable audio player/USB memory. This unit corresponds to the following.
 - USB MSC (Mass Storage Class) compliant portable audio player and memory
 - WMA, MP3, AAC and WAV file playback
- For details about the compatibility, refer to *USB audio player/USB memory compatibility* on page 56.

iPod® compatibility

This unit can control and listen to songs on an iPod.

- This unit supports only the following iPods. Supported iPod software versions are shown below. Older versions of iPod software may not be supported.
 - iPod fifth generation (software version 1.2.1)
 - iPod nano first generation (software version 1.3.1)
 - iPod nano second generation (software version 1.1.3)
 - iPod nano third generation (software version 1.0.2)
 - iPod classic (software version 1.0.2)
 - iPod touch (software version 1.1.1)
- Operations may vary depending on the software version of iPod.
- When using an iPod, iPod Dock Connector to USB Cable is required.
- Pioneer CD-IU50 interface cable is also available. For details, consult your dealer.
- This unit can control previous generations iPod models with a Pioneer iPod adapter (e.g. CD-IB100II).

Before You Start

For details concerning operation with the iPod adapter, refer to *Playing songs on iPod* on page 34.

- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

CAUTION

- Pioneer accepts no responsibility for data lost on the USB portable audio player/USB memory even if that data is lost while using this unit.
- Pioneer accepts no responsibility for data lost on the iPod even if that data is lost while using this unit. 

Visit our website

Visit us at the following site:

<http://pioneer.jp/group/index-e.html>

- We offer the latest information about Pioneer Corporation on our website. 

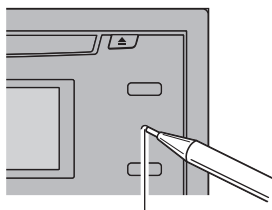
In case of trouble

Should this product fail to operate properly, contact your dealer or nearest authorized Pioneer Service Station. 

Resetting the microprocessor

The microprocessor must be reset under the following conditions:

- Prior to using this unit for the first time after installation
- If the unit fails to operate properly
- When strange or incorrect messages appear on the display



RESET button

- Press RESET with a pen tip or other pointed instrument. 

About the demo mode

This unit features the feature demo mode.



Important

The red lead (ACC) of this unit should be connected to a terminal coupled with ignition switch on/off operations. If this is not done, the vehicle battery may be drained.

Feature demo mode

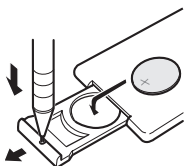
The feature demo automatically starts when power to this unit is turned off while the ignition switch is set to ACC or ON. Press **DISP** during feature demo operation to cancel the feature demo mode. Press **DISP** again to start. Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power. 

Before You Start

Use and care of the remote control

Installing the battery

Slide the tray on the back of the remote control out and insert the battery with the plus (+) and minus (-) poles aligned properly.



WARNING

Keep the battery out of the reach of children. Should the battery be swallowed, consult a doctor immediately.



CAUTION

- Use one **CR2025 (3 V)** lithium battery.
- Remove the battery if the remote control is not used for a month or longer.
- There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type.
- Do not handle the battery with metallic tools.
- Do not store the battery with metallic objects.
- If the battery leaks, wipe the remote control completely clean and install a new battery.
- When disposing of used batteries, comply with governmental regulations or environmental public institutions' rules that apply in your country/area.

Using the remote control

Point the remote control in the direction of the front panel to operate.

- The remote control may not function properly in direct sunlight.

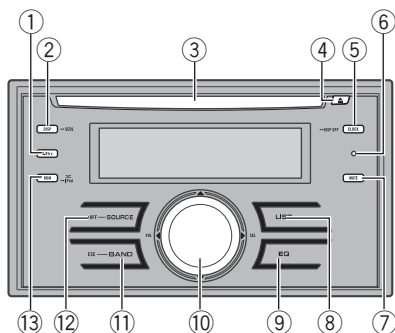


Important

- Do not store the remote control in high temperatures or direct sunlight.
- Do not let the remote control fall onto the floor, where it may become jammed under the brake or accelerator pedal. ■

What's What

Head unit



① S.Rtrv button

Press to switch Sound Retriever settings.

② DISP/SCROLL button

Press to select different displays.
Press and hold to scroll through the text information.

③ Disc loading slot

Insert a disc to play.

④ EJECT button

Press to eject a CD from your built-in CD player.

⑤ CLOCK/DISP OFF button

Press to change to the clock display.
Press and hold to turn the display indication and button illumination off or on.

⑥ RESET button

Press to reset the microprocessor.

⑦ MUTE button

Press to turn off the sound. To turn on the sound, press again.

⑧ LIST button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

⑨ EQ button

Press to select various equalizer curves.

⑩ MULTI-CONTROL

Move to perform manual seek tuning, fast forward, reverse and track search controls.
Also used for controlling functions.
Turn to increase or decrease the volume.

⑪ BAND/ESC button

Press to select among three FM bands and one AM band.
Press to return to the ordinary display when operating the menu.

⑫ SOURCE/OFF button

This unit is turned on by selecting a source.
Press to cycle through all the available sources.

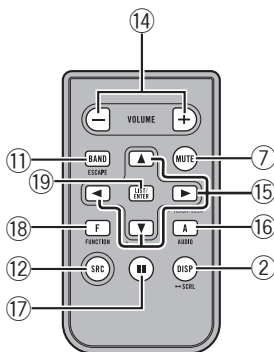
⑬ RDM/⌂/iPod button

Press to turn random function on or off while using CD or USB.
While using an iPod, press to shuffle all tracks.
Press and hold to switch the control mode while using an iPod.
If using the iPod with an interface adapter (CD-IB100II), press to switch the shuffle function.

Operating this unit

Remote control

Operation is the same as when using the buttons on the head unit.



14 VOLUME buttons

Press to increase or decrease the volume.

15 ▲/▼/◀/▶ buttons

Press to perform manual seek tuning, fast forward, reverse and track search controls. Also used for controlling functions.

16 AUDIO button

Press to select an audio function.

17 II (pause) button

Press to turn pause on or off.

18 FUNCTION button

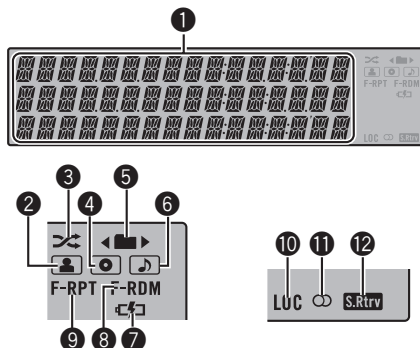
Press to select functions.

19 LIST/ENTER button

Press to display the disc title list, track title list, folder list, file list or preset channel list depending on the source.

While in the operating menu, press to control functions.

Display indication



1 Main display section

Displays band, frequency, elapsed playback time and other settings.

2 [ARTIST] (artist) indicator

Appears when the disc (track) artist name is displayed on the main display section.

Appears when artist search refinement on the iPod browsing function is in use.

3 [SHUFFLE] (shuffle) indicator

Appears when shuffle function is on while iPod source is being selected.

4 [DISC] (disc) indicator

Appears when the disc (album) name is displayed on the main display section.

Appears when album search refinement on the iPod browsing function is in use.

5 [FOLDER] (folder) indicator

Appears when operating list function.

When an upper tier folder or menu exists, ◀ appears.

When a lower tier folder or menu exists, ▶ appears.

6 [SONG] (song) indicator

Appears when the track (song) name is displayed on the main display section.

Appears when song search refinement on the iPod browsing function is in use.

7 (iPod connection) indicator

Appears when the iPod connection is recognized while USB source is being selected.

8 F-RDM indicator

Appears when folder random is on.
When random function is on, only **RDM** is displayed.

9 F-RPT indicator

Appears when folder repeat is on.
When repeat function is on, only **RPT** is displayed.

10 LOC indicator

Appears when local seek tuning is on.

11 (stereo) indicator

Appears when the selected frequency is being broadcast in stereo.

12 (Sound Retriever) indicator

Appears when Sound Retriever function is on. 

Basic Operations**Power ON/OFF****Turning the unit on**

- Press **SOURCE** to turn the unit on.

Turning the unit off

- Press **OFF** and hold until the unit turns off.

Selecting a source

You can select a source you want to listen to. To switch to the built-in CD player, load a disc in the unit (refer to page 13).

- Press **SOURCE** repeatedly to switch between the following sources.

Tuner—Television—DVD player/Multi-DVD player—Built-in CD player—Multi-CD player—iPod—USB—External unit 1—External unit 2—AUX1—AUX2—BT Audio—BT Telephone

**Notes**

- In the following cases, the sound source will not change.
 - When no unit corresponding to the selected source is connected.
 - When there is no disc or magazine in the player.
 - When the iPod is not connected to this unit.
 - When AUX (auxiliary input) is set to off (refer to page 28).
 - When the BT audio source is set to off (refer to *Activating the BT AUDIO source* on page 30).
- AUX1 is set to on by default. Turn off the AUX1 when not in use (refer to *Switching the auxiliary setting* on page 28).
- Charging the portable audio player using car's DC power source while connecting it to AUX input may generate noise. In this case, stop charging.

Operating this unit

- External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.
- When this unit's blue/white lead is connected to the vehicle's auto-antenna relay control terminal, the vehicle's antenna extends when this unit's source is turned on. To retract the antenna, turn the source off.

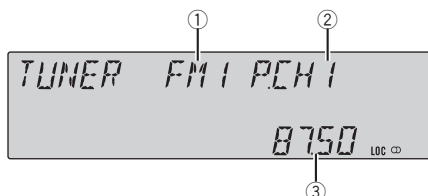
Adjusting the volume

- Turn **MULTI-CONTROL** to adjust the sound level. 

Tuner

Basic Operations

If you are using this unit in North, Central or South America, reset the AM tuning step (see *Setting the AM tuning step* on page 28).



- ① Band indicator
- ② Preset number indicator
- ③ Frequency indicator

● Select a band

Press **BAND**.

- Band can be selected from among **FM1**, **FM2**, **FM3** or **AM**.

● Manual tuning (step by step)

Push **MULTI-CONTROL** left or right.

● Seek tuning

Push and hold **MULTI-CONTROL** left or right, and then release.

- You can cancel seek tuning by pushing **MULTI-CONTROL** left or right.
- While pushing and holding **MULTI-CONTROL** left or right, you can skip stations. Seek tuning starts as soon as you release **MULTI-CONTROL**.

Storing and recalling broadcast frequencies

You can easily store up to six broadcast frequencies for later recall.

- Six stations for each band can be stored in memory.

1 Press **LIST**.

Preset screen is displayed.

Operating this unit

2 Use MULTI-CONTROL to store the selected frequency in memory.

Turn to change the preset number. Press and hold to store.

3 Use MULTI-CONTROL to select the desired station.

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- To return to the ordinary display, press **BAND** or **LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Introduction to advanced operations

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select FUNCTION.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn MULTI-CONTROL to select the function.

BSM (best stations memory)—**LOCAL** (local seek tuning)



Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**.

Storing the strongest broadcast frequencies

BSM (best stations memory) lets you automatically store the six strongest broadcast frequencies.

1 Display the function menu.

Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select BSM in the function menu.

3 Press MULTI-CONTROL to turn BSM on.

The six strongest broadcast frequencies are stored in the order of their signal strength.

- To cancel, press **MULTI-CONTROL** again.

Tuning in strong signals

Local seek tuning lets you tune in only those radio stations with sufficiently strong signals for good reception.

1 Display the function menu.

Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select LOCAL in the function menu.

3 Press MULTI-CONTROL to turn local seek tuning on.

- To turn local seek tuning off, press **MULTI-CONTROL** again.

4 Push MULTI-CONTROL left or right to set the sensitivity.

FM: **LEVEL 1—LEVEL 2—LEVEL 3—LEVEL 4**

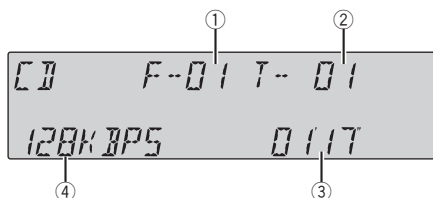
AM: **LEVEL 1—LEVEL 2**

The **LEVEL 4** setting allows reception of only the strongest stations, while lower settings let you receive progressively weaker stations. 

Operating this unit

Built-in CD Player

Basic Operations



- ① Folder number indicator
Shows the folder number currently playing when the compressed audio is playing.
 - ② Track number indicator
 - ③ Play time indicator
 - ④ Bit rate/sampling frequency indicator
Shows the bit rate or sampling frequency of the current track (file) when the compressed audio is playing.
 - When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
 - When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.
- **Insert a disc into the disc loading slot.**
Playback will automatically start.
 - **When loading a disc, face the label side of a disc up.**
 - **Eject a disc**
Press **EJECT**.
 - **Select a folder**
Push **MULTI-CONTROL** up or down.
 - You cannot select a folder that does not have a compressed audio file recorded in it.
 - **Select a track**
Push **MULTI-CONTROL** left or right.
 - **Fast forward or reverse**
Push and hold **MULTI-CONTROL** left or right.
 - When playing compressed audio, there is no sound on fast forward or reverse.

- **Return to root folder**

Press and hold **BAND**.

- If folder 01 (ROOT) contains no files, playback commences with folder 02.

- **Switch between compressed audio and CD-DA**

Press **BAND**.

- This operation is available only when playing CD-EXTRA or MIXED-MODE CDs.
- If you have switched between compressed audio and CD-DA, playback starts at the first track on the disc.



Notes

- The built-in CD player can play back audio CD and compressed audio recorded on a CD-ROM. (Refer to page 55 for files that can be played back.)
- Read the precautions for discs and player on page 54.
- A disc has already been inserted, press **SOURCE** to select the built-in CD player.
- There is sometimes a delay between starting up disc playback and the sound being issued. When being read, **FORMAT READ** is displayed.
- If an error message is displayed, refer to *Error messages* on page 53.
- Playback is carried out in order of file number. Folders are skipped if they contain no files. (If folder 01 (ROOT) contains no files, playback commences with folder 02.)

Displaying text information on disc

- **Press DISP to select the desired text information.**

- **For title entered CD**

Play time—disc title and play time

- **For CD TEXT discs**

Play time—disc artist name and track title
—disc artist name and disc title—disc title
and track title—track artist name and track title—track title and play time

Operating this unit

• For WMA/MP3/AAC

Play time—folder name and file name—artist name and track title—artist name and album title—album title and track title—track title and play time—comment and play time

• For WAV

Play time—folder name and file name



Notes

- You can scroll to the left of the title by pressing and holding **DISP**.
- Audio CD that contains certain information such as text and/or number is CD TEXT.
- If specific information is not recorded on a disc, title or name is not displayed.
- Depending on the version of iTunes® used to write MP3 files onto a disc, comment information may not be correctly displayed.
- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.
- When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
- When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.
- The sampling frequency shown in the display may be abbreviated.
- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 30.
- Depending on the character sets in the disc, Russian texts may be garbled. About the allowed character sets for Russian texts, refer to *Compressed audio files on the disc* on page 55.

Selecting tracks from the track title list

Track title list lets you see the list of track titles on a CD TEXT disc and select one of them to play back.

1 Press LIST to switch to the track title list mode.

2 Use MULTI-CONTROL to select the desired track title.

Turn to change the track title. Press to play.

- You can also change the track title by pushing **MULTI-CONTROL** up or down.
- To return to the ordinary display, press **BAND** or **LIST**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Selecting files from the file name list

File name list lets you see the list of file names (or folder names) and select one of them to playback.

1 Press LIST to switch to the file name list mode.

Names of files and folders appear in the display.

2 Use MULTI-CONTROL to select the desired file name (or folder name).

Turn to change the name of file or folder.

- when a file is selected, press to play.
- when a folder is selected, press to see a list of files (or folders) in the selected folder.
- when a folder is selected, press and hold to play a song in the selected folder.
- You can also play the file by pushing **MULTI-CONTROL** right.
- You can also play a song in the selected folder by pushing and holding **MULTI-CONTROL** right.
- To return to the previous list (the folder one level higher), push **MULTI-CONTROL** left.
- Number of the folders/files in the currently selected folder will be indicated on the right side of the display.
- To return to the ordinary display, press **BAND** or **LIST**.

Operating this unit

- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Introduction to advanced operations

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select FUNCTION.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn MULTI-CONTROL to select the function.

PLAY MODE (repeat play)—**RANDOM MODE** (random play)—**SCAN MODE** (scan play)—**PAUSE** (pause)—**SOUND RETRIEVER** (sound retriever)—**TITLE INPUT** (disc title input)



Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**.
- If you do not operate functions except for **TITLE INPUT** within about 30 seconds, the display automatically returns to the ordinary display.
- When playing a compressed audio disc or CD TEXT disc, you cannot switch to disc title input display.

Selecting a repeat play range

1 Display the function menu.

Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select PLAY MODE in the function menu.

3 Press MULTI-CONTROL to select the repeat range.

- **DISC REPEAT** – Repeat all tracks

- **TRACK REPEAT** – Repeat the current track
- **FOLDER REPEAT** – Repeat the current folder

▪ If you select another folder during repeat play, the repeat play range changes to disc repeat.

▪ Performing track search or fast forward/reverse during **TRACK REPEAT** (track repeat) changes the repeat play range to disc/folder.

▪ When **FOLDER REPEAT** (folder repeat) is selected, it is not possible to play back a subfolder of that folder.

Playing tracks in random order

Tracks in a selected repeat range are played in random order.

● **Press RDM to turn random play on.**

Tracks play in a random order.

▪ To turn random play off, press **RDM** again.



Note

You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.

Scanning folders and tracks

Scan play searches the song within the selected repeat range.

1 Display the function menu.

Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select SCAN MODE in the function menu.

3 Press MULTI-CONTROL to turn scan play on.

The first 10 seconds of each track is played.

4 When you find the desired track press MULTI-CONTROL to turn scan play off.

▪ If the display has automatically returned to the playback display, select **SCAN MODE** again by using **MULTI-CONTROL**.

▪ After scanning of a disc (folder) is finished, normal playback of the tracks begins.

Pausing playback

- **Press II (pause) on the remote control to turn pause on.**

Playback of the current track pauses.

- To turn pause off, press **II** (pause) again.



Note

You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.

Using Sound Retriever

Sound Retriever function automatically enhances compressed audio and restores rich sound.

- **Press S.Rtrv repeatedly to select the desired setting.**

OFF (off)—**1**—**2**

- **2** is more effective than **1**.



Note

You can also perform this operation in the menu that appears by using **MULTI-CONTROL**.

Using disc title functions

You can input CD titles and display the title. The next time you insert a CD for which you have entered a title, the title of that CD is displayed.

Entering disc titles

Use the disc title input feature to store up to 48 CD titles in the unit. Each title can be up to 10 characters long.

1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

2 Play the CD that you want to enter a title for.

3 Use MULTI-CONTROL to select TITLE INPUT in the function menu.

4 Press DISP to select the desired character type.

Press **DISP** repeatedly to switch between the following character types:

Alphabet—Numbers and symbols

5 Push MULTI-CONTROL up or down to select a letter of the alphabet.

6 Push MULTI-CONTROL left or right to move the cursor to the previous or next character position.

7 Move the cursor to the last position by pushing MULTI-CONTROL right after entering the title.

When you push **MULTI-CONTROL** right one more time, the entered title is stored in memory.

8 Press BAND to return to the playback display.



Notes

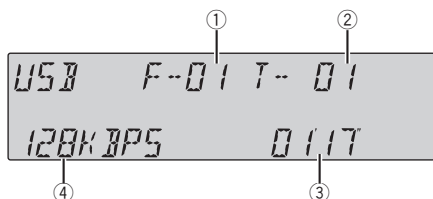
- Titles remain in memory, even after the disc is removed from the unit, and are recalled when the disc is reinserted.
- After data for 48 discs are stored in the memory, data for a new disc overwrites the oldest one.
- If you connect a multi-CD player, you can input disc titles for up to 100 discs.
- When a multi-CD player that does not support disc title functions is connected, you cannot enter disc titles in this unit. ■

Operating this unit

Playing songs on USB portable audio player/USB memory

For details about the supported device, refer to *Portable audio player compatibility* on page 5.

Basic Operations



- ① Folder number indicator
- ② Track number indicator
- ③ Play time indicator
- ④ Bit rate/sampling frequency indicator
 - When playing back VBR (variable bit rate)-recorded WMA files, the average bit rate value is displayed.
 - When playing back VBR (variable bit rate)-recorded MP3 files, **VBR** is displayed instead of bit rate value.

● Select a folder

Push **MULTI-CONTROL** up or down.

● Select a track

Push **MULTI-CONTROL** left or right.

● Fast forward or reverse

Push and hold **MULTI-CONTROL** left or right.

● Return to root folder

Press and hold **BAND**.



Notes

- Optimum performance of this unit may not be obtained depending on the connected USB portable audio player/USB memory.
- If folder 01 (ROOT) contains no files, playback commences with folder 02.
- When the USB portable audio player having battery charging function is connected to this

unit and the ignition switch is set to ACC or ON, the battery is charged.

- You can disconnect the USB portable audio player/USB memory anytime you want to finish listening to it.
- If USB portable audio player/USB memory is connected to this unit, the source is changed to USB automatically. If you do not use an USB device, disconnect it from this unit. Depending on the connected USB device, turning on the ignition switch while USB device is connected to this unit may change the source automatically.

Displaying text information of an audio file

The operation is the same as that of the built-in CD player.

Refer to *Displaying text information on disc* on page 13.



Notes

- If the characters recorded on the audio file are not compatible with the head unit, those characters are not displayed.
- The text information of some audio files may not be correctly displayed.

Selecting files from the file name list

The operation is the same as that of the built-in CD player.

Refer to *Selecting files from the file name list* on page 14.

Introduction to advanced operations

1 Press **MULTI-CONTROL** to display the main menu.

2 Use **MULTI-CONTROL** to select **FUNCTION**.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn **MULTI-CONTROL** to select the function.

PLAY MODE (repeat play)—**RANDOM MODE** (random play)—**SCAN MODE** (scan play)—**PAUSE** (pause)—**SOUND RETRIEVER** (sound retriever)

Function and operation

PLAY MODE, **RANDOM MODE**, **SCAN MODE**, **PAUSE** and **SOUND RETRIEVER** operations are basically the same as that of the built-in CD player.

Function name	Operation
PLAY MODE	Refer to <i>Selecting a repeat play range</i> on page 15. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the USB portable audio player/USB memory are: • TRACK REPEAT – Repeat just the current file • FOLDER REPEAT – Repeat the current folder • ALL REPEAT – Repeat all files
RANDOM MODE	Refer to <i>Playing tracks in random order</i> on page 15.
SCAN MODE	Refer to <i>Scanning folders and tracks</i> on page 15.
PAUSE	Refer to <i>Pausing playback</i> on page 16.
SOUND RETRIEVER	Refer to <i>Using Sound Retriever</i> on page 16.

 Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**.

- If you select another folder during repeat play, the repeat play range changes to **ALL REPEAT**.
- If you perform track search or fast forward/reverse during **TRACK REPEAT**, the repeat play range changes to **FOLDER REPEAT**.
- When **FOLDER REPEAT** is selected, it is not possible to play back a subfolder of that folder.
- After file or folder scanning is finished, normal playback of the files begins again. 

Operating this unit

Playing songs on iPod

For details about the supported iPod, refer to iPod® compatibility on page 5.

Basic Operations



- ① Song number indicator
- ② Play time indicator

● Fast forward or reverse

Push and hold **MULTI-CONTROL** left or right.

● Select a track (chapter)

Push **MULTI-CONTROL** left or right.



Notes

- When using an iPod, iPod Dock Connector to USB Cable is required.
- Read the precautions for iPod on page 58.
- While iPod is connected to this unit, **PIONEER** (or ✓ (check mark)) is displayed on the iPod.
- If an error message is displayed, refer to *Error messages* on page 53.
- When the ignition switch is set to ACC or ON, the iPod's battery is charged while the iPod is connected to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off.
- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- The iPod is turned off about two minutes after the ignition switch is set to OFF.

Browsing for a song

Searching songs by category

Operations to control an iPod with this unit is designed to be as close to the iPod as possible to make operation and song search easy.

- Depending on the number of files in the iPod, there may be a delay when displaying a list.
- If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.

1 Press LIST.

2 Use MULTI-CONTROL to select a category.

Turn to change the category; press to select.

PLAYLISTS (playlists)—**ARTISTS** (artists)—**ALBUMS** (albums)—**SONGS** (songs)—**PODCASTS** (podcasts)—**GENRES** (genres)—**COMPOSERS** (composers)—**AUDIOBOOKS** (audiobooks)

List for the selected category is displayed.

- You can start playback throughout the selected category by pressing and holding **MULTI-CONTROL**. You can also perform this operation by pushing and holding **MULTI-CONTROL** right.
- You can also change the category by pushing **MULTI-CONTROL** up or down.
- You can also select the category by pushing **MULTI-CONTROL** right.
- To return to the previous category, push **MULTI-CONTROL** left.
- To return to the top tier of categories, push and hold **MULTI-CONTROL** left.
- To return to the ordinary display, press **BAND**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

3 Repeat step 2 to find a song you want to listen to.

Searching songs by alphabet

1 Press LIST.

Operating this unit

2 Use **MULTI-CONTROL** to select a category.

Turn to change the category. Press to select.

3 Press **LIST** to switch to alphabet search mode.

4 Turn **MULTI-CONTROL** to select a desired alphabet.

5 Press **MULTI-CONTROL** to display the alphabetical list.

- If alphabet search is aborted, **NOT FOUND** is displayed.

Displaying text information on iPod

● Press **DISP** to select the desired text information.

Play time and song number—artist name and song title—artist name and album title—album title and song title—song title and play time

- If the characters recorded on the iPod are not compatible with this unit, those characters are not displayed.

 Notes

- You can scroll the text information to the left by pressing and holding **DISP**.
- When Ever Scroll is set to ON at the initial setting, text information scrolls continuously in the display. Refer to *Switching the ever scroll* on page 30.

Introduction to advanced operations

1 Press **MULTI-CONTROL** to display the main menu.

2 Use **MULTI-CONTROL** to select **FUNCTION**.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn **MULTI-CONTROL** to select the function.

PLAY MODE (repeat play)—**SHUFFLE MODE** (shuffle)—**SHUFFLE ALL** (shuffle all)—

LINK SEARCH (link search)—

CONTROL MODE (control mode)—**PAUSE**

(pause)—**AUDIOBOOKS** (audiobook speed)—

SOUND RETRIEVER (sound retriever)

Function and operation

PLAY MODE, **PAUSE** and **SOUND RETRIEVER** operations are basically the same as that of the built-in CD player.

Function name	Operation
PLAY MODE	Refer to <i>Selecting a repeat play range</i> on page 15. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the iPod are: • REPEAT ONE – Repeat the current song • REPEAT ALL – Repeat all songs in the selected list
PAUSE	Refer to <i>Pausing playback</i> on page 16.
SOUND RETRIEVER	Refer to <i>Using Sound Retriever</i> on page 16.

 Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.
- When **CONTROL MODE** is on, only **CONTROL MODE** and **SOUND RETRIEVER** can be operated.

Operating this unit

Playing songs in a random order (shuffle)

1 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

2 Use MULTI-CONTROL to select SHUFFLE MODE in the function menu.

3 Press MULTI-CONTROL to select your favorite setting.

- **SHUFFLE SONGS** – Play back songs in the selected list in random order.
- **SHUFFLE ALBUMS** – Play back songs from a randomly selected album in order.
- **SHUFFLE OFF** – Cancel random play.

Playing all songs in a random order (shuffle all)

● Press to turn shuffle all on.

All songs on the iPod play randomly.

- To turn shuffle all off, set **SHUFFLE MODE** in the **FUNCTION** menu to off.



Note

You can also turn this function on in the menu that appears by using **MULTI-CONTROL**.

Selecting songs from album list of currently playing artist

Album list of the currently selected artist is displayed. You can select an album or song from the artist name.

- Depending on the number of files in the iPod, there may be a delay when displaying a list.

1 Press and hold LIST to turn link search on.

Searches albums of the artist and displays the list.

2 Use MULTI-CONTROL to select an album or song from the list.

For more details about the selecting operation, refer to step 2 of *Searching songs by category* on page 19.



Notes

- If link search is aborted, **NOT FOUND** is displayed.
- You can also turn this function on in the menu that appears by using **MULTI-CONTROL**.

Operating this unit's iPod function from your iPod

This function cannot be operated with the following iPod models.

— iPod nano first generation (software version 1.3.1)

— iPod fifth generation (software version 1.2.1)

This unit's iPod function can be operated from your iPod. Sound can be heard from car's speaker, and operation can be conducted from your iPod.

- While this function is in use, even if the ignition key is turned off, iPod is not turned off. To turn off power, operate the iPod.

1 Press iPod and hold to switch the control mode.

- Each pressing and holding iPod switches the control mode.
- While using this function, play time and titles are not displayed on this unit.
- Even if this function is performed, track up/down can be operated from this unit.
- While using this function, browse function cannot be operated from this unit.

2 Operate the connected iPod to select a song and play.



Note

You can also turn this function on or off in the menu that appears by using **MULTI-CONTROL**.

Changing audiobook speed

While listening to an audiobook on iPod, playback speed can be changed.

1 Display the function menu.

Refer to *Introduction to advanced operations* on page 20.

2 Use MULTI-CONTROL to select AUDIOBOOKS in the function menu.

3 Press MULTI-CONTROL to select your favorite setting.

Press **MULTI-CONTROL** repeatedly until the desired setting appears in the display.

- **FASTER** – Playback faster than normal speed
- **NORMAL** – Playback in normal speed
- **SLOWER** – Playback slower than normal speed 

Audio Adjustments

Introduction of audio adjustments



- ① Audio display
Shows the audio adjustment status.

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select AUDIO.
Turn to change the menu option. Press to select.
The audio menu is displayed.

3 Turn MULTI-CONTROL to select the audio function.

Turn **MULTI-CONTROL** to switch between the audio functions in the following order.

FADER/BALANCE (balance adjustment)—**EQUALIZER** (graphic equalizer adjustment)—**G.EQ ADJUST** (7-band graphic equalizer adjustment)—**LOUDNESS** (loudness)—**SUB W1** (subwoofer on/off setting)—**SUB W2** (subwoofer setting)—**BASS BOOST** (bass boost)—**HIGH PASS FILTER** (high pass filter)—**SLA** (source level adjustment)

- You can also select the audio function by pressing **AUDIO** on the remote control.
- When the subwoofer controller setting is **PREOUT:REAR**, you cannot switch to **SUB W1** (subwoofer on/off setting). (Refer to page 29.)
- You can select the **SUB W2** only when subwoofer output is turned on in **SUB W1**.
- When selecting FM as the source, you cannot switch to **SLA**.
- To return to the display of each source, press **BAND**.
- If you do not operate functions except for **G.EQ ADJUST** within about 30 seconds, the display is automatically returned to the ordinary display. 

Using balance adjustment

You can change the fader/balance setting so that it can provide the ideal listening environment in all occupied seats.

1 Display the audio menu.

Refer to *Introduction of audio adjustments* on this page.

2 Use MULTI-CONTROL to select FADER/BALANCE.

3 Push MULTI-CONTROL up or down to adjust front/rear speaker balance.

Each time **MULTI-CONTROL** is pushed up or down, the front/rear speaker balance moves towards the front or rear.

F 15 to R 15 is displayed as the front/rear speaker balance moves from front to rear.

- **0** is the proper setting when only two speakers are used.

■ When the rear output setting is **REAR SP:S/W**, you cannot adjust front/rear speaker balance. Refer to *Setting the rear output and subwoofer controller* on page 29.

4 Push MULTI-CONTROL left or right to adjust left/right speaker balance.

Each time **MULTI-CONTROL** is pushed left or right, the left/right speaker balance moves towards the left or right.

L 15 to R 15 is displayed as the left/right speaker balance moves from left to right. 

Using the equalizer

The equalizer lets you adjust the equalization to match the car's interior acoustic characteristics as desired.

Recalling equalizer curves

There are seven stored equalizer curves which you can easily recall at any time. Here is a list of the equalizer curves.

Display	Equalizer curve
POWERFUL	Powerful
NATURAL	Natural
VOCAL	Vocal
CUSTOM1	Custom 1
CUSTOM2	Custom 2
FLAT	Flat
S.BASS	Super bass

- **CUSTOM1** and **CUSTOM2** are adjusted equalizer curves that you create. Adjustments can be made with a 7-band graphic equalizer.
- When **FLAT** is selected, no supplement or correction is made to the sound. This is useful to check the effect of the equalizer curves by switching alternatively between **FLAT** and a set equalizer curve.

● **Press EQ to select the equalizer.**

Press **EQ** repeatedly to switch between the following equalizers:

POWERFUL—NATURAL—VOCAL—CUSTOM1—CUSTOM2—FLAT—S.BASS

Adjusting equalizer curves

The factory supplied equalizer curves, with the exception of **FLAT**, can be adjusted to a fine degree (nuance control).

1 Display the audio menu.

Refer to *Introduction of audio adjustments* on the previous page.

2 Use MULTI-CONTROL to select the graphic equalizer adjustment.

EQUALIZER appears in the display. If the equalizer curve has been previously selected, the curve of that previously selected will be displayed instead of **EQUALIZER**.

3 Push MULTI-CONTROL left or right to select an equalizer curve.

Each time **MULTI-CONTROL** is pushed left or right, equalizer curves are selected in the following order:

POWERFUL—NATURAL—VOCAL—CUSTOM1—CUSTOM2—FLAT—S.BASS

4 Push MULTI-CONTROL up or down to adjust the equalizer curve.

Each time **MULTI-CONTROL** is pushed up or down, the equalizer curve increases or decreases respectively.

+6 to **−4** (or **−6**) is displayed as the equalizer curve is increased or decreased.

- The actual range of the adjustments are different depending on which equalizer curve is selected.
- The equalizer curve with all frequencies set to **0** cannot be adjusted.

Adjusting 7-band graphic equalizer

For **CUSTOM1** and **CUSTOM2** equalizer curves, you can adjust the level of each band.

- A separate **CUSTOM1** curve can be created for each source. (The built-in CD player and the multi-CD player are set to the same equalizer adjustment setting automatically.) If you make adjustments when a curve other than **CUSTOM2** is selected, the equalizer curve settings will be memorized in **CUSTOM1**.
- A **CUSTOM2** curve can be created common to all sources. If you make adjustments when the **CUSTOM2** curve is selected, the **CUSTOM2** curve will be updated.

1 Recall the equalizer curve you want to adjust.

See *Recalling equalizer curves* on the previous page.

2 Use MULTI-CONTROL to select G.EQ ADJUST.

Frequency and the level (e.g., **50HZ :+4**) appears in the display.

Audio Adjustments

3 Push MULTI-CONTROL left or right to select the equalizer band to adjust.

Each time **MULTI-CONTROL** is pushed left or right, equalizer bands are selected in the following order:

50HZ—125HZ—315HZ—800HZ—2KHZ—5KHZ—12.5KHZ

4 Push MULTI-CONTROL up or down to adjust the level of the equalizer band.

Each time **MULTI-CONTROL** is pushed up or down, the level of the equalization band increases or decreases.

+6 to -6 is displayed as the level is increased or decreased.

- You can then select another band and adjust the level.

5 Press BAND to cancel the 7-band graphic equalizer adjustment.

Adjusting loudness

Loudness compensates for deficiencies in the low- and high-sound ranges at low volume.

1 Display the audio menu.

Refer to *Introduction of audio adjustments* on page 23.

2 Use MULTI-CONTROL to select LOUDNESS.

3 Press MULTI-CONTROL to turn loudness on.

Loudness level (e.g., **MID**) appears in the display.

- To turn loudness off, press **MULTI-CONTROL** again.

4 Push MULTI-CONTROL left or right to select a desired level.

Each time **MULTI-CONTROL** is pushed left or right, level is selected in the following order:

LOW (low)—MID (mid)—HIGH (high) 

Using subwoofer output

This unit is equipped with a subwoofer output which can be turned on or off.

1 Display the audio menu.

Refer to *Introduction of audio adjustments* on page 23.

2 Use MULTI-CONTROL to select SUB W1.

3 Press MULTI-CONTROL to turn subwoofer output on.

NORMAL appears in the display. Subwoofer output is now on.

- To turn subwoofer output off, press **MULTI-CONTROL** again.

4 Push MULTI-CONTROL left or right to select the phase of subwoofer output.

Push **MULTI-CONTROL** left to select reverse phase and **REVERSE** appears in the display.

Push **MULTI-CONTROL** right to select normal phase and **NORMAL** appears in the display.

Adjusting subwoofer settings

When the subwoofer output is on, you can adjust the cut-off frequency and the output level of the subwoofer.

Only frequencies lower than those in the selected range are outputted from the subwoofer.

- When the subwoofer output is on, you can select **SUB W2**.

1 Display the audio menu.

Refer to *Introduction of audio adjustments* on page 23.

2 Use MULTI-CONTROL to select SUB W2.

3 Push MULTI-CONTROL left or right to select cut-off frequency.

Each time **MULTI-CONTROL** is pushed left or right, cut-off frequencies are selected in the following order:

50HZ—63HZ—80HZ—100HZ—125HZ

4 Push MULTI-CONTROL up or down to adjust the output level of the subwoofer.

Each time **MULTI-CONTROL** is pushed up or down, subwoofer level increases or decreases. **+6** to **-24** is displayed as the level is increased or decreased. 

Boosting the bass

Bass boost function boosts the bass level of sound.

1 Display the audio menu.

Refer to *Introduction of audio adjustments* on page 23.

2 Use MULTI-CONTROL to select BASS BOOST.

3 Push MULTI-CONTROL up or down to select a desired level.

0 to **+6** is displayed as the level is increased or decreased. 

Using the high pass filter

When you do not want low sounds from the subwoofer output frequency range to play from the front or rear speakers, turn on the HPF (high pass filter). Only frequencies higher than those in the selected range are output from the front or rear speakers.

1 Display the audio menu.

Refer to *Introduction of audio adjustments* on page 23.

2 Use MULTI-CONTROL to select HIGH PASS FILTER.

3 Press MULTI-CONTROL to turn high pass filter on.

80HZ appears in the display. High pass filter is now on.

- If the high pass filter has been previously adjusted, the frequency of that previously selected will be displayed instead of **80HZ**.
- To turn high pass filter off, press **MULTI-CONTROL** again.

4 Push MULTI-CONTROL left or right to select cut-off frequency.

Each time **MULTI-CONTROL** is pushed left or right, cut-off frequencies are selected in the following order:

50HZ—63HZ—80HZ—100HZ—125HZ 

Adjusting source levels

Source level adjustment (**SLA**) lets you adjust the volume level of each source to prevent radical changes in volume when switching between sources.

- Settings are based on the FM volume level, which remains unchanged.

1 Compare the FM volume level with the level of the source you wish to adjust.

2 Display the audio menu.

Refer to *Introduction of audio adjustments* on page 23.

3 Use MULTI-CONTROL to select SLA.

4 Push MULTI-CONTROL up or down to adjust the source volume.

Each time **MULTI-CONTROL** is pushed up or down, source volume increases or decreases. **+4** to **-4** is displayed as the source volume is increased or decreased.

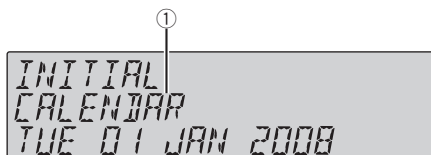


Notes

- The AM volume level can also be adjusted with source level adjustments.
- The built-in CD player and the multi-CD player are set to the same source level adjustment volume automatically.
- External unit 1 and external unit 2 are set to the same source level adjustment volume automatically. 

Initial Settings

Adjusting initial settings



Using the initial settings, you can customize various system settings to achieve optimal performance from this unit.

① Function display

- Shows the function status.

1 Press SOURCE and hold until the unit turns off.

2 Press MULTI-CONTROL and hold until the initial setting menu appears in the display.

3 Turn MULTI-CONTROL to select one of the initial settings.

Turn **MULTI-CONTROL** to switch between the functions in the following order.

CALENDAR (calendar)—**CLOCK** (clock)—**FM STEP** (FM tuning step)—**AM STEP** (AM tuning step)—**AUX1** (auxiliary input 1)—**AUX2** (auxiliary input 2)—**DIMMER** (dimmer)—**S/W CONTROL** (rear output and subwoofer controller)—**MUTE** (sound muting/attenuation)—**DEMONSTRATION** (feature demo)—**EVER-SCROLL** (ever scroll)—**BT AUDIO** (Bluetooth audio)—**PIN CODE INPUT** (pin code input)—**BT VERSION INFO.** (Bluetooth version information)

Use the following instructions to operate each particular setting.

- **BT AUDIO, PIN CODE INPUT** and **BT VERSION INFO.** can be selected only when Bluetooth adapter (e.g., CD-BTB100) is connected to this unit.
- You can also select the function by pressing **FUNCTION** on the remote control.
- To cancel initial settings, press **BAND**.

Setting the date

The calendar display adjusted in this mode appears when the telephone source is selected or sources and the feature demo are off.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on this page.

2 Use MULTI-CONTROL to select CALENDAR.

3 Push MULTI-CONTROL left or right to select the segment of the calendar display you wish to set.

Pushing **MULTI-CONTROL** left or right will select one segment of the calendar display:

Day—Month—Year

As you select segments of the calendar display the segment selected will blink.

4 Push MULTI-CONTROL up or down to set the date.

Pushing **MULTI-CONTROL** up will increase the selected day, month or year. Pushing **MULTI-CONTROL** down will decrease the selected day, month or year.

Setting the clock

Use these instructions to set the clock.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on this page.

2 Use MULTI-CONTROL to select CLOCK.

3 Push MULTI-CONTROL left or right to select the segment of the clock display you wish to set.

Pushing **MULTI-CONTROL** left or right will select one segment of the clock display:

Hour—Minute

As you select segments of the clock display, the selected segment blinks.

4 Push MULTI-CONTROL up or down to put a clock right.

**Note**

You can match the clock to a time signal by pressing **MULTI-CONTROL**.

- If **00** to **29**, the minutes are rounded down. (e.g., **10:18** becomes **10:00**.)
- If **30** to **59**, the minutes are rounded up. (e.g., **10:36** becomes **11:00**.) 

Setting the FM tuning step

The FM tuning step employed by seek tuning can be switched between 100 kHz, the preset step, and 50 kHz.

- If seek tuning is performed in 50 kHz steps, stations may be tuned in imprecisely. Tune in the stations with manual tuning or use seek tuning again.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on the previous page.

2 Use **MULTI-CONTROL** to select FM STEP.

3 Press **MULTI-CONTROL** to select the FM tuning step.

Pressing **MULTI-CONTROL** repeatedly will switch the FM tuning step between 50 kHz and 100 kHz. The selected FM tuning step will appear in the display. 

**Note**

The tuning step remains at 50 kHz during manual tuning. 

Setting the AM tuning step

The AM tuning step can be switched between 9 kHz, the preset step, and 10 kHz. When using the tuner in North, Central or South America, reset the tuning step from 9 kHz (531 kHz to 1 602 kHz allowable) to 10 kHz (530 kHz to 1 640 kHz allowable).

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on the previous page.

2 Use **MULTI-CONTROL** to select AM STEP.

3 Press **MULTI-CONTROL** to select the AM tuning step.

Pressing **MULTI-CONTROL** repeatedly will switch the AM tuning step between 9 kHz and 10 kHz. The selected AM tuning step will appear in the display. 

Switching the auxiliary setting

Auxiliary devices connected to this unit can be activated individually. Set each AUX source to ON when using. For more information about connecting or using auxiliary devices, refer to *Using the AUX source* on page 32.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on the previous page.

2 Use **MULTI-CONTROL** to select AUX1/ AUX2.

3 Press **MULTI-CONTROL** to turn AUX1/ AUX2 on.

- To turn AUX off, press **MULTI-CONTROL** again. 

Switching the dimmer setting

To prevent the display from being too bright at night, the display is automatically dimmed when the car's headlights are turned on. You can turn the dimmer on or off.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on the previous page.

2 Use **MULTI-CONTROL** to select DIMMER.

Initial Settings

3 Press MULTI-CONTROL to turn dimmer on.

- To turn dimmer off, press **MULTI-CONTROL** again. 

Setting the rear output and subwoofer controller

This unit's rear output (rear speaker leads output and RCA rear output) can be used for full-range speaker (**REAR SP:FULL**) or subwoofer (**REAR SP:S/W**) connection. If you switch the rear output setting to **REAR SP:S/W**, you can connect a rear speaker lead directly to a subwoofer without using an auxiliary amp. Initially, the unit is set for rear full-range speaker connection (**REAR SP:FULL**). When rear output is connected to full range speakers (when **REAR SP:FULL** is selected), you can connect other full range speakers (**PREOUT:REAR**) or a subwoofer (**PREOUT:SUB W**) to the RCA rear output.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 27.

2 Use MULTI-CONTROL to select S/W CONTROL.

3 Press MULTI-CONTROL to switch the rear output setting.

Pressing **MULTI-CONTROL** will switch between **REAR SP:FULL** (full-range speaker) and **REAR SP:S/W** (subwoofer) and that status will be displayed.

- When no subwoofer is connected to the rear output, select **REAR SP:FULL** (full-range speaker).
- When a subwoofer is connected to the rear output, select **REAR SP:S/W** (subwoofer).
- When the rear output setting is **REAR SP:S/W**, you cannot operate the following procedure.

4 Push MULTI-CONTROL left or right to switch the subwoofer output or rear output.

Pushing **MULTI-CONTROL** left or right will switch between **PREOUT:SUB W** and **PREOUT:REAR** and that status will be displayed.



Notes

- Even if you change this setting, there is no output unless you turn the subwoofer output on (refer to *Using subwoofer output* on page 25).
- If you change this setting, subwoofer output in the audio menu return to the factory settings. 

Switching the sound muting/attenuation

Sound from this system is muted or attenuated automatically when the signal from the equipment with mute function is received.

- The sound is muted or attenuated, **TEL MUTE** or **TEL ATT** are displayed and no audio adjustment is possible.
- Sound from this system returns to normal when the muting or attenuation is canceled.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 27.

2 Use MULTI-CONTROL to select MUTE.

3 Press MULTI-CONTROL to switch the telephone muting/attenuation.

Pressing **MULTI-CONTROL** will switch between **TEL ATT** (attenuation) and **TEL MUTE** (muting) and that status will be displayed. 

Switching the feature demo

The feature demo automatically starts when power to this unit is turned off while the ignition switch is set to ACC or ON.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 27.

2 Use MULTI-CONTROL to select DEMONSTRATION.

3 Press MULTI-CONTROL to turn the feature demo on.

- To turn the feature demo off, press **MULTI-CONTROL** again.



Notes

- Remember that if the feature demo continues operating when the car engine is turned off, it may drain battery power.
- You can also turn on or off feature demo by pressing **DISP** while this unit is turned off. For more details, see *About the demo mode* on page 6. 

Switching the ever scroll

When ever scroll is set to on, CD text information scrolls continuously in the display. Set to off if you prefer the information to scroll just once.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 27.

2 Use MULTI-CONTROL to select EVER-SCROLL.

3 Press MULTI-CONTROL to turn the ever scroll on.

- To turn the Ever Scroll off, press **MULTI-CONTROL** again. 

Activating the BT AUDIO source

You need to activate the **BT AUDIO** source in order to use a Bluetooth audio player.

- You can only operate this function when Bluetooth adapter (e.g. CD-BTB100) is connected to this unit.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 27.

2 Use MULTI-CONTROL to select BT AUDIO.

3 Press MULTI-CONTROL to turn the BT AUDIO source on.

- To turn the **BT AUDIO** source off, press **MULTI-CONTROL** again. 

Entering PIN code for Bluetooth wireless connection

To connect your cellular phone to this unit via Bluetooth wireless technology, you need to enter PIN code on your phone to verify the connection. The default code is **0000**, but you can change this in this function.

- You can only operate this function when Bluetooth adapter (e.g. CD-BTB100) is connected to this unit.
- With some Bluetooth audio players, you may be required to enter the Bluetooth audio player PIN code in advance to set this unit for a connection.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 27.

2 Use MULTI-CONTROL to select PIN CODE INPUT.

3 Push MULTI-CONTROL up or down to select a number.

4 Push MULTI-CONTROL left or right to move the cursor to the previous or next position.

Initial Settings

5 After inputting PIN code (up to 16 digits), press **MULTI-CONTROL**.

PIN code can be stored in memory.

When you press **MULTI-CONTROL** again on the same display, the PIN code you entered is stored in this unit.

- Pushing **MULTI-CONTROL** right in the confirmation display returns you to the PIN code input display, and you can change the PIN code. 

Displaying system version for repair

Should this unit fails to operate properly and you consult your dealer for repair, you may be asked to indicate the system versions of this unit and of Bluetooth module. You can display the versions and confirm them.

- You can only operate this function when Bluetooth adapter (e.g. CD-BTB100) is connected to this unit.

1 Display the initial setting menu.

Refer to *Adjusting initial settings* on page 27.

2 Use **MULTI-CONTROL** to select **BT VERSION INFO**.

The system (microprocessor) version of this unit is displayed.

3 Push **MULTI-CONTROL** left to switch to the version of the Bluetooth module of this unit.

- Pushing **MULTI-CONTROL** right returns to the system version of this unit. 

Using the AUX source

Up to two auxiliary devices such as VCR or portable devices (sold separately) can be connected to this unit. When connected, auxiliary devices are automatically read as AUX sources and assigned to **AUX1** or **AUX2**. The relationship between **AUX1** and **AUX2** sources is explained below.

About AUX1 and AUX2

There are two methods to connect auxiliary devices to this unit.

AUX1 source:

When connecting auxiliary device using a stereo mini plug cable

- **Insert the stereo mini plug into the input jack on this unit.**

For more details, refer to the installation manual.

This auxiliary device is automatically set to **AUX1**.

AUX2 source:

When connecting auxiliary device using an IP-BUS-RCA Interconnector (sold separately)

- **Use an IP-BUS-RCA Interconnector such as the CD-RB20/CD-RB10 (sold separately) to connect this unit to auxiliary device featuring RCA output.**

For more details, refer to the IP-BUS-RCA Interconnector owner's manual.

This auxiliary device is automatically set to **AUX2**.

- You can only make this type of connection if the auxiliary device has RCA outputs.

Selecting AUX as the source

- **Press SOURCE to select AUX as the source.**

- If the auxiliary setting is not turned on, **AUX** cannot be selected. For more details, see *Switching the auxiliary setting* on page 28.

Setting the AUX title

The title displayed for the **AUX1** or **AUX2** source can be changed.

- 1 After you have selected AUX as the source, use MULTI-CONTROL and select FUNCTION to display TITLE INPUT.**

- 2 Enter a title in the same way as the built-in CD player.**

For details concerning operation, refer to *Entering disc titles* on page 16. □

Using the external unit

External unit refers to a Pioneer product (such as ones available in the future) that, although incompatible as a source, enables control of basic functions with this unit. Two external units can be controlled with this unit. When two external units are connected, the external unit is automatically allocated to external unit 1 or external unit 2 by this unit.

Basic operations of the external unit are explained below. Allocated functions are different depending on the connected external unit. For details concerning functions, refer to external unit's owner's manual.

Selecting the external unit as the source

- **Press SOURCE to select EXTERNAL as the source.**

Other Functions

Basic operation

Functions allocated to the following operations are different depending on the connected external unit. For details concerning functions, refer to the connected external unit's owner's manual.

- Press **BAND**.
- Press and hold **BAND**.
- Push **MULTI-CONTROL** left or right.
- Push and hold **MULTI-CONTROL** left or right.
- Push **MULTI-CONTROL** up or down.

Using the functions allocated to 1 to 6 keys

- 1 Press **LIST**.
- 2 Use **MULTI-CONTROL** to select **1 KEY** to **6 KEY**.
Turn to change **1 KEY** to **6 KEY** and press.

Advanced operations

- 1 Press **MULTI-CONTROL** to display the main menu.
- 2 Use **MULTI-CONTROL** to select **FUNCTION**.
Turn to change the menu option. Press to select.
- 3 Turn **MULTI-CONTROL** to select the function.
FUNCTION1 (function 1)—**FUNCTION2** (function 2)—**FUNCTION3** (function 3)—**FUNCTION4** (function 4)—**AUTO/MANUAL** (auto/manual)



Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**. ▢

Turning the clock display on or off

You can turn the clock display on or off.

- Even when the sources and the feature demo are off, the clock display appears on the display.

- Press **CLOCK** to turn the clock display on or off.

Each press of **CLOCK** turns the clock display on or off.

- The clock display disappears temporarily when you perform other operations, but the clock display appears again after 4 seconds. ▢

Switching the display indication and button illumination

Display indication and button illumination can be switched on or off.

- Press and hold **DISP OFF**.

Pressing and holding **DISP OFF** switches the display indication and button illumination on or off.

- While the display indication is turned off, **CLOCK/DISP OFF** button lights up.
- Even if the display indication is turned off, operation can be conducted. If operation is conducted while the display indication is off, display will light up for a few seconds and then turn off again. ▢

Playing songs on iPod

Basic operation

You can use this unit to control an interface adapter for iPod, which is sold separately.



- ① Song number indicator
- ② Play time indicator

- **Fast forward or reverse**

Push and hold **MULTI-CONTROL** left or right.

- **Select a track**

Push **MULTI-CONTROL** left or right.

 Notes

- Read the precautions for iPod on page 58.
- While iPod is connected to this unit, **PIONEER** (or ✓ (check mark)) is displayed on the iPod.
- If an error message is displayed, refer to *Error messages* on page 53.
- When the ignition switch is set to ACC or ON, the iPod's battery is charged while the iPod is connected to this unit.
- While the iPod is connected to this unit, the iPod cannot be turned on or off.
- Before connecting the dock connector of this unit to the iPod, disconnect the headphones from the iPod.
- The iPod is turned off about two minutes after the ignition switch is set to OFF.

Displaying text information on iPod

The operation is the same as that of the iPod connected to USB interface of this unit. (Refer to *Displaying text information on iPod* on page 20.)

Browsing for a song

The operation is the same as that of the iPod connected to USB interface of this unit. (Refer to *Searching songs by category* on page 19.) However, the selectable categories are slightly different. Selectable categories are **PLAYLISTS** (playlists)—**ARTISTS** (artists)—**ALBUMS** (albums)—**SONGS** (songs)—**GENRES** (genres)

Introduction to advanced operations

1 Press **MULTI-CONTROL** to display the main menu.

2 Use **MULTI-CONTROL** to select **FUNCTION**.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn **MULTI-CONTROL** to select the function.

PLAY MODE (repeat play)—**SHUFFLE MODE** (shuffle)—**PAUSE** (pause)

Function and operation

PLAY MODE and **PAUSE** operations are basically the same as that of the built-in CD player.

Function name	Operation
PLAY MODE	Refer to <i>Selecting a repeat play range</i> on page 15. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the iPod are: • REPEAT ONE – Repeat the current song • REPEAT ALL – Repeat all songs in the selected list
PAUSE	Refer to <i>Pausing playback</i> on page 16.

Available accessories



Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**.
- If you do not operate functions within about 30 seconds, the display automatically returns to the ordinary display.

Playing songs in a random order (shuffle)

- Press **⏮** repeatedly to select the desired setting.

- **SHUFFLE SONGS** – Play back songs in the selected list in random order.
- **SHUFFLE ALBUMS** – Play back songs from a randomly selected album in order.
- **SHUFFLE OFF** – Cancel random play.



Note

You can also turn this function on in the menu that appears by using **MULTI-CONTROL**.

Bluetooth Audio

Basic Operations

If you connect a Bluetooth adapter (e.g. CD-BTB100) to this unit, you can control Bluetooth audio players via Bluetooth wireless technology.

- *In some countries, CD-BTB100 is not sold on the market.*



①

- ① Device name
Shows the device name of the connected Bluetooth audio player (or Bluetooth adapter).



Important

- Depending on the Bluetooth audio player connected to this unit, the operations available with this unit are limited to the following two levels:
 - Lower level: Only playing back songs on your audio player is possible.
 - Higher level: Playing back, pausing, selecting songs, etc., are possible (all the operations illustrated in this manual).
- Since there are a number of Bluetooth audio players available on the market, operations with your Bluetooth audio player using this unit vary extensively. Refer to the instruction manual that came with your Bluetooth audio player as well as this manual while operating your player on this unit.
- Information about songs (e.g. the elapsed playing time, song title, song index, etc.) cannot be displayed on this unit.
- While you are listening to songs on your Bluetooth audio player, refrain from using your cellular phone as much as possible. If you use your cellular phone, the signal from your cellular phone may cause noise on the song playback.

Available accessories

- When you are talking on a cellular phone connected to this unit via Bluetooth wireless technology, song playback from your Bluetooth audio player connected to this unit is muted.
- Even if you are listening to a song on your Bluetooth audio player and you switch to another source, song playback continues.

● Fast forward or reverse

Push and hold **MULTI-CONTROL** left or right.

● Select a track

Push **MULTI-CONTROL** left or right.



Notes

- For details concerning operation, refer to the Bluetooth adapter's operation manual. This section provides brief information on Bluetooth audio player operations with this unit, which slightly differs or is abbreviated from that described in the Bluetooth adapter's operation manual.
- Even though your audio player does not contain a Bluetooth module, you can still control it from this unit via Bluetooth wireless technology. To control your audio player using this unit, connect a product featuring Bluetooth wireless technology (available on the market) to your audio player and connect the Bluetooth adapter (e.g. CD-BTB100) to this unit.

Function and operation

1 Press **MULTI-CONTROL** to display the main menu.

2 Use **MULTI-CONTROL** to select **FUNCTION**.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn **MULTI-CONTROL** to select the function.

CONNECTION OPEN (connection open)—
DISCONNECT AUDIO (disconnect audio)—

PLAY (Play)—**STOP** (Stop)—**PAUSE** (pause)—
DEVICE INFO (device information)

- **PAUSE** is the same as that of the built-in CD player. (Refer to *Pausing playback* on page 16.)



Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the ordinary display, press **BAND**.
- If a Bluetooth audio player is not connected to this unit yet, **CONNECTION OPEN** and **DEVICE INFO** appear in the function menu and other functions are not available.
- If a Bluetooth audio player is connected via higher level, **CONNECTION OPEN** does not appear in the function menu and the other functions are available.
- If a Bluetooth audio player is connected via lower level, only **DISCONNECT AUDIO** and **DEVICE INFO** appear in the function menu.
- If you do not operate functions other than **CONNECTION OPEN** and **DISCONNECT AUDIO** within about 30 seconds, the display is automatically returned to the ordinary display.

Connecting a Bluetooth audio player

1 Display the function menu.

Refer to *Function and operation* on this page.

2 Use **MULTI-CONTROL** to select **CONNECTION OPEN** in the function menu.

3 Press **MULTI-CONTROL** to open the connection.

ALWAYS WAITING is displayed. This unit is now on standby for connection from Bluetooth audio player.

If your Bluetooth audio player is set ready for Bluetooth wireless connection, connection to this unit is automatically established.

Available accessories



Note

Before you can use audio players you may need to enter the PIN code into this unit. If your player requires a PIN code to establish a connection, look for the code on the player or in its accompanying documentation. Refer to *Entering PIN code for Bluetooth wireless connection* on page 30.

Playing songs on a Bluetooth audio player

1 Display the function menu.

Refer to *Function and operation* on the previous page.

2 Use MULTI-CONTROL to select PLAY in the function menu.

3 Press MULTI-CONTROL to start playback.

Stopping playback

1 Display the function menu.

Refer to *Function and operation* on the previous page.

2 Use MULTI-CONTROL to select STOP in the function menu.

3 Press MULTI-CONTROL to stop the playback.

Disconnecting a Bluetooth audio player

1 Display the function menu.

Refer to *Function and operation* on the previous page.

2 Use MULTI-CONTROL to select DISCONNECT AUDIO in the function menu.

3 Press MULTI-CONTROL to disconnect the Bluetooth audio player.

DISCONNECTED is displayed. The Bluetooth audio player is now disconnected from this unit.

Displaying BD (Bluetooth Device) address

1 Display the function menu.

Refer to *Function and operation* on the previous page.

2 Use MULTI-CONTROL to select DEVICE INFO in the function menu.

3 Push MULTI-CONTROL left to switch to the BD address.

12-digit hexadecimal string is displayed.

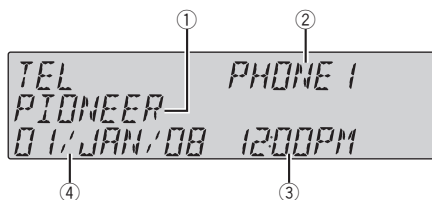
- Pushing **MULTI-CONTROL** right returns to the device name. ■

Bluetooth Telephone

Basic Operations

If you use a Bluetooth adapter (e.g. CD-BTB100), you can connect a cellular phone featuring Bluetooth wireless technology to this unit for hands-free, wireless calls, even while driving.

- In some countries, CD-BTB100 is not sold on the market.



- ① Device name
Shows the device name of the cellular phone.
- ② User number indicator
Shows the registration number of the cellular phone.
- ③ Clock display
Shows the time (if connected with a phone).
- ④ Calendar display
Shows the day, month and year (if connected with a phone).



Important

- Since this unit is on standby to connect with your cellular phone via Bluetooth wireless technology, using this unit without running the engine can result in battery drainage.
- Advanced operations that require your attention such as dialing numbers on the monitor, using phone book, etc., are prohibited while you are driving. When you need to use these advanced operations, stop your vehicle in a safe place.



Notes

- The equalizer curve for the phone source is fixed.

- When selecting the phone source, you can only operate **FADER/BALANCE** (balance adjustment) in the audio menu.

Setting up for hands-free phoning

Before you can use the hands-free phoning function you must set up the unit for use with your cellular phone. This entails establishing a Bluetooth wireless connection between this unit and your phone, registering your phone with this unit, and adjusting the volume level.

1 Connection

For detailed instructions on connecting your phone to this unit via Bluetooth wireless technology, refer to *Connecting a cellular phone* on page 40.

- Your phone should now be temporarily connected. However, to make best use of the technology, we recommend you register the phone to this unit.

2 Registration

To register your temporarily connected phone, refer to *Registering a connected cellular phone* on page 41.

3 Volume adjustment

Adjust the earpiece volume on your cellular phone for comfort. When adjusted, the volume level is recorded in this unit as the default setting.

- Caller's voice volume and ring volume may vary depending on the type of cellular phone.
- If the difference between the ring volume and caller's voice volume is big, overall volume level may become unstable.
- Before disconnecting the cellular phone from this unit, make sure to adjust the volume to a proper level. If the volume is muted (zero level) on your cellular phone, the volume level of your cellular phone remains muted even after the cellular phone is disconnected.

Available accessories

Making a phone call

Voice recognition

1 Press **BAND** and hold until **VOICE DIAL** appears in the display.

VOICE DIAL appears in the display. When **VOICE DIAL ON** is displayed, voice recognition function is now ready.

- If your cellular phone does not feature voice recognition function, **NO VOICE DIAL** appears in the display and operation is not possible.

2 Pronounce the name of your contact.

Taking a phone call

Answering or rejecting an incoming call

● Answering an incoming call

When a call comes in, press

MULTI-CONTROL.

- You can also perform this operation by pushing **MULTI-CONTROL** up.

● End a call

Push **MULTI-CONTROL** down.

● Rejecting an incoming call

When a call comes in, push **MULTI-CONTROL** down.



Notes

- If private mode is selected on the cellular phone, hands-free phoning may not be performed.
- The estimated call time appears in the display (this may differ slightly from the actual call time).

Operating a call waiting

● Answering a call waiting

When a call comes in, press

MULTI-CONTROL.

- You can also perform this operation by pushing **MULTI-CONTROL** up.

● End all calls

Push **MULTI-CONTROL** down.

● Switch between callers on hold

Press **MULTI-CONTROL**.

- You can also perform this operation by pushing **MULTI-CONTROL** up.

● Rejecting call waiting

Push **MULTI-CONTROL** down.



Notes

- Pushing **MULTI-CONTROL** down ends all calls including calls waiting on line.
- To end the call, both you and your caller need to hang up the phone.

Function and operation

1 Press **MULTI-CONTROL** to display the main menu.

2 Use **MULTI-CONTROL** to select **FUNCTION**.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn **MULTI-CONTROL** to select the function.

SEARCH/CONNECT (search and connect)—
CONNECTION OPEN (connection open)—
DISCONNECT PHONE (disconnect phone)—
CONNECT PHONE (connect phone)—
SET PHONE (registering phone)—
DELETE PHONE (delete phone)—
PH BOOK TRANSFER (phone book transfer)—
PH. B. NAME VIEW (phone book name view)—
CLEAR MEMORY (clear memory)—
NUMBER DIAL (call by entering number)—
REFUSE CALLS (automatic reject setting)—
AUTO ANSWER (automatic answer setting)—
RING TONE (ring tone select)—
AUTO CONNECT (automatic connection setting)—
ECHO CANCEL (echo cancel)—
DEVICE INFO (device information)
If not connected yet

The following functions cannot be operated.

- **DISCONNECT PHONE** (disconnect phone)
- **SET PHONE** (registering phone)
- **CLEAR MEMORY** (clear memory)
- **PH. B. NAME VIEW** (phone book name view)
- **NUMBER DIAL** (call by entering number)

If connected but not registered yet

The following functions cannot be operated.

- **SEARCH/CONNECT** (search and connect)
- **CONNECTION OPEN** (connection open)
- **CONNECT PHONE** (connect phone)
- **PH. B. NAME VIEW** (phone book name view)
- **CLEAR MEMORY** (clear memory)

If already connected and registered

The following functions cannot be operated.

- **SEARCH/CONNECT** (search and connect)
- **CONNECTION OPEN** (connection open)
- **CONNECT PHONE** (connect phone)
- **SET PHONE** (registering phone)



Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the playback display, press **BAND**.
- **DEVICE INFO** is the same as that of the Bluetooth audio. (Refer to *Displaying BD (Bluetooth Device) address* on page 37.)
- **PH. B. NAME VIEW** (phone book name view) cannot be selected for cellular phone registered guest phone.
- If cellular phone is connected to this unit via Bluetooth wireless technology with HSP (Head Set Profile), **PH. B. NAME VIEW**, **CLEAR MEMORY**, **NUMBER DIAL** and **REFUSE CALLS** cannot be selected.
- If you do not operate functions other than **SEARCH/CONNECT**, **CONNECTION OPEN**, **CONNECT PHONE**, **PH BOOK TRANSFER**, **DISCONNECT PHONE**, **NUMBER DIAL** and **CLEAR MEMORY** within about 30 seconds, the display automatically returns to the ordinary display.

Connecting a cellular phone

Searching for available cellular phones

1 Display the function menu.

Refer to *Function and operation* on the previous page.

2 Use MULTI-CONTROL to select SEARCH/CONNECT in the function menu.

3 Press MULTI-CONTROL to search for available cellular phones.

While searching, **SEARCHING** flashes. When available cellular phones featuring Bluetooth wireless technology are found, device name or **NAME NOT FOUND** (if names cannot be obtained) is displayed.

- If this unit fails to find any available cellular phones, **ERROR** is displayed.

4 Push MULTI-CONTROL up or down to select a device name you want to connect.

5 Press MULTI-CONTROL to connect the selected cellular phone.

While connecting, **CONNECTING** flashes. To complete the connection, check the device name (**PIONEER W-DIN BT**) and enter the link code on your cellular phone. If the connection is established, **CONNECTED** is displayed.

- PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 30.

Using a cellular phone to initiate a connection

1 Display the function menu.

Refer to *Function and operation* on the previous page.

2 Use MULTI-CONTROL to select CONNECTION OPEN in the function menu.

Available accessories

3 Press MULTI-CONTROL to open the connection.

ALWAYS WAITING flashes and the unit is now on standby for connection from a cellular phone.

4 Use cellular phone to connect to this unit.

- PIN code is set to **0000** as the default. You can change this code in the initial setting. Refer to *Entering PIN code for Bluetooth wireless connection* on page 30.

Disconnecting a cellular phone

1 Display the function menu.

Refer to *Function and operation* on page 39.

2 Use MULTI-CONTROL to select DISCONNECT PHONE in the function menu.

Device name of the connected phone appears in the display.

3 Press MULTI-CONTROL to disconnect a cellular phone from this unit.

After disconnection is completed, **DISCONNECTED** is displayed.

Registering a connected cellular phone

1 Display the function menu.

Refer to *Function and operation* on page 39.

2 Use MULTI-CONTROL to select SET PHONE in the function menu.

3 Push MULTI-CONTROL up or down to select a registration assignment.

P1 (user phone 1)—**P2** (user phone 2)—**P3** (user phone 3)—**G1** (guest phone 1)—**G2** (guest phone 2)

- As you select each assignment, you can see whether or not a phone is already registered. If the assignment is empty, **NO DATA** is displayed. If the assignment is already taken, the device name appears. To replace an assignment with a new phone, first delete the current assignment.

For more detailed instructions, see *Deleting a registered phone* on this page.

4 Press MULTI-CONTROL to register the currently connected phone.

When registration is completed, **REG.COMPLETED** is displayed.

- If the registration fails, **REGISTER ERROR** is displayed. In this case, return to step 1 and try again.

Deleting a registered phone

1 Display the function menu.

Refer to *Function and operation* on page 39.

2 Use MULTI-CONTROL to select DELETE PHONE in the function menu.

3 Push MULTI-CONTROL up or down to select a registration assignment.

P1 (user phone 1)—**P2** (user phone 2)—**P3** (user phone 3)—**G1** (guest phone 1)—**G2** (guest phone 2)

- If the assignment is empty, **NO DATA** is displayed and operation is not possible.

4 Push MULTI-CONTROL right to select DELETE YES.

DELETE YES is displayed. Deleting phone is now on standby.

5 Press MULTI-CONTROL to delete the phone.

After the phone is deleted, **DELETED** is displayed.

Connecting to a registered cellular phone

Connecting to a registered phone manually

1 Display the function menu.

Refer to *Function and operation* on page 39.

2 Use MULTI-CONTROL to select CONNECT PHONE in the function menu.

3 Push MULTI-CONTROL up or down to select a registration assignment.

P1 (user phone 1)—**P2** (user phone 2)—**P3** (user phone 3)—**G1** (guest phone 1)—**G2** (guest phone 2)

- If the assignment is empty, **NO DATA** is displayed and operation is not possible.

4 Press MULTI-CONTROL to connect the selected cellular phone.

While connecting, **CONNECTING** is displayed. After the connection is completed, **CONNECTED** is displayed.

Connecting to a registered phone automatically

1 Display the function menu.

Refer to *Function and operation* on page 39.

2 Use MULTI-CONTROL to select AUTO CONNECT in the function menu.

3 Press MULTI-CONTROL to turn automatic connection on.

If your cellular phone is ready for Bluetooth wireless connection, connection to this unit is automatically established.

- To turn automatic connection off, press **MULTI-CONTROL** again.

Using the phone book

Transferring entries to the phone book

The Phone Book can hold a total of 500 entries. 300 from User 1, 150 from User 2, and 50 from User 3.

1 Display the function menu.

Refer to *Function and operation* on page 39.

2 Use MULTI-CONTROL to select PH BOOK TRANSFER in the function menu.

3 Press MULTI-CONTROL to enter the phone book transfer standby mode. TRANSFER YES appears in the display.

4 Press MULTI-CONTROL to show the confirmation display.

TRANSFER YES appears in the display.

5 Use the cellular phone to perform phone book transfer.

Perform phone book transfer using the cellular phone. For detailed instructions, refer to the instruction manual that came with your cellular phone.

- The display indicates how many entries have been transferred and the total number to be transferred.

6 DATA TRANSFERRED is displayed and phone book transfer is completed.

Changing the phone book display order

1 Display the function menu.

Refer to *Function and operation* on page 39.

2 Use MULTI-CONTROL to select PH. B. NAME VIEW in the function menu. INVERT NAMES YES appears in the display.

3 Press MULTI-CONTROL to change the name view order.

INVERTED is displayed and the name view order is changed.

Pressing **MULTI-CONTROL** repeatedly changes the name view order between first name and last name.

Calling a number in the phone book



Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

After finding the number you want to call in the phone book, you can select the entry and make the call.

1 Press LIST to display the phone book.

Available accessories

2 Push MULTI-CONTROL left or right to select the first letter of the name you are looking for.

3 Press MULTI-CONTROL to display entries.

The display shows the first three Phone Book entries starting with that letter (e.g. "Ben", "Brian" and "Burt" when "B" is selected).

4 Push MULTI-CONTROL up or down to select a Phone Book entry you want to call.

5 Push MULTI-CONTROL right to display the detailed list of the selected entry.

The phone number, name and genre (if assigned) of entries are displayed in the detailed list.

- You can scroll the name and phone number by pressing and holding **DISP**.
- If several phone numbers are included in an entry, select one by turning **MULTI-CONTROL**.
- If you want to go back and select another entry, push **MULTI-CONTROL** left.

6 Press MULTI-CONTROL to make a call.

7 To end the call, push MULTI-CONTROL down.

Editing the name of a Phone Book entry



Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

You can edit the names of Phone Book entries. Each name can be up to 16 characters long.

1 Display the detailed list of your desired Phone Book entry.

See step 1 to 5 on *Calling a number in the phone book* on the previous page for how to do this.

2 Press and hold MULTI-CONTROL to display the name input screen.
EDIT NAME is displayed.

3 Press DISP to select the desired character type.

Each press of **DISP** switches the character types in the following order:

Alphabet (upper case), numbers and symbols—alphabet (lower case)—numbers and symbols—European characters, such as those with accents (e.g., á, à, ä, ç) or Russian characters

- Pressing and holding **DISP** enables you to switch character set between ISO8859-1 (European characters) and ISO8859-5 (Russian characters) alternately.
- European characters and Russian characters can't be mixed.

4 Push MULTI-CONTROL up or down to select a letter.

- To delete a character and leave a space, select " " (underbar).

5 Push MULTI-CONTROL left or right to move the cursor to the previous or next character position.

6 Press MULTI-CONTROL to store the new name.

Editing phone numbers



Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

You can edit the numbers of Phone Book entries. Each phone number can be up to 24 digits long.

1 Display the detailed list of your desired Phone Book entry.

See step 1 to 5 on *Calling a number in the phone book* on the previous page for how to do this.

2 Press and hold MULTI-CONTROL to display the name input screen.
EDIT NAME is displayed.

3 Turn MULTI-CONTROL to switch to the number input screen.

EDIT NAME (name input screen)—
EDIT NUMBER (number input screen)—
CLEAR MEMORY (clear memory screen)

4 Push MULTI-CONTROL left or right to move the cursor to the number you want to change.

Available accessories

5 Push **MULTI-CONTROL** up or down to change numbers.

Repeat these steps until you have finished changing.

6 Press **MULTI-CONTROL** to store the new number.

Clearing a phone book entry



Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

1 Display the detailed list of your desired Phone Book entry.

See step 1 to 5 on *Calling a number in the phone book* on page 42 for how to do this.

2 Press and hold **MULTI-CONTROL** to display the name input screen.

EDIT NAME is displayed.

3 Turn **MULTI-CONTROL** to switch to the clear memory screen.

EDIT NAME (name input screen)—

EDIT NUMBER (number input screen)—

CLEAR MEMORY (clear memory screen)

4 Push **MULTI-CONTROL** right to show a confirmation display.

CLEAR MEMORY: YES is displayed.

- If you do not want to clear the memory that you have selected, push **MULTI-CONTROL** left. The display reverts to normal.

5 Press **MULTI-CONTROL** to delete the Phone Book entry.

CLEARED is displayed.

The Phone Book entry is deleted. The display returns to Phone Book entry list.

Using the call history



Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

The 12 most recent calls made (dialed), received and missed, are stored in the call his-

tory. You can browse the call history and call numbers from it.

1 Press **LIST** to display the list.

Press **LIST** repeatedly to switch between the following lists:

Phone book—Missed call—Dialed call—Received call

- For more details about the Phone Book list, refer to *Using the phone book* on page 42.

- If no phone numbers are stored in the selected list, **NO DATA** is displayed.

2 Turn **MULTI-CONTROL** to select a phone number.

Turning **MULTI-CONTROL** to change the phone numbers stored in the list.

- If the phone number is already in the phone book, the corresponding name is displayed.

- You can also change the phone number by pushing **MULTI-CONTROL** up or down.

3 Push **MULTI-CONTROL** right to display the detailed list.

Name and phone number are displayed in the detailed list.

- If the number is already in the Phone Book then the name is also displayed.

- Turning **MULTI-CONTROL** switches to the previous or next phone number displayed in the detailed list.

- If you do not operate anything within about 30 seconds, the list display is canceled automatically.

4 Press **MULTI-CONTROL** to make a call.

- For an international call, press and hold **MULTI-CONTROL** to add + to the phone number.

5 To end the call, push **MULTI-CONTROL** down.

Making a call by entering phone number



Important

Be sure to park your vehicle and apply the parking brake when performing this operation.

1 Display the function menu.

Refer to *Function and operation* on page 39.

Available accessories

- 2 Use **MULTI-CONTROL** to select **NUMBER DIAL** in the function menu.
- 3 Push **MULTI-CONTROL** up or down to select a number.
- 4 Push **MULTI-CONTROL** left or right to move the cursor to the previous or next position.
 - Up to 24 digits can be entered.
- 5 When you finish entering the number, press **MULTI-CONTROL**.
Call confirmation appears.
- 6 Press **MULTI-CONTROL** again to make a call.
- 7 To end the call, push **MULTI-CONTROL** down.

Clearing memory

- 1 Display the function menu.
Refer to *Function and operation* on page 39.
- 2 Use **MULTI-CONTROL** to select **CLEAR MEMORY** in the function menu.
- 3 Push **MULTI-CONTROL** up or down to select an item.
Each time **MULTI-CONTROL** is pushed up or down, the items are switched in the following order:
PHONE BOOK (phone book)—**MISSED CALLS** (missed call history)—**DIALED CALLS** (dialled call history)—**RECEIVED CALLS** (received call history)—**ALL CLEAR** (delete all memory)
 - If you want to clear the Phone Book and dialled/received/missed call history list, select **ALL CLEAR**.
 - If guest phone is connected to this unit via Bluetooth wireless technology, **PHONE BOOK** cannot be selected.
- 4 Push **MULTI-CONTROL** right to determine the item that you want to delete from this unit.
CLEAR MEMORY: YES is displayed. Clearing memory is now on standby.
 - If you do not want to clear the memory that you have selected, push **MULTI-CONTROL** left. The display reverts to normal.

- 5 Press **MULTI-CONTROL** to clear the memory.
CLEARED is displayed and data on the selected item is cleared from this unit's memory.

Setting automatic rejecting

- 1 Display the function menu.
Refer to *Function and operation* on page 39.
- 2 Use **MULTI-CONTROL** to select **REFUSE CALLS** in the function menu.
- 3 Press **MULTI-CONTROL** to turn automatic call rejection on.
 - To turn automatic call rejection off, press **MULTI-CONTROL** again.

Setting automatic answering

- 1 Display the function menu.
Refer to *Function and operation* on page 39.
- 2 Use **MULTI-CONTROL** to select **AUTO ANSWER** in the function menu.
- 3 Press **MULTI-CONTROL** to turn automatic answering on.
 - To turn automatic answering function off, press **MULTI-CONTROL** again.

Switching the ring tone

- 1 Display the function menu.
Refer to *Function and operation* on page 39.
- 2 Use **MULTI-CONTROL** to select **RING TONE** in the function menu.
- 3 Press **MULTI-CONTROL** to turn the ring tone on.
 - To turn the ring tone off, press **MULTI-CONTROL** again.

Echo canceling and noise reduction

- 1 Display the function menu.
Refer to *Function and operation* on page 39.
- 2 Use **MULTI-CONTROL** to select **ECHO CANCEL** in the function menu.

3 Press MULTI-CONTROL to turn echo canceling on.

- To turn echo canceling off, press

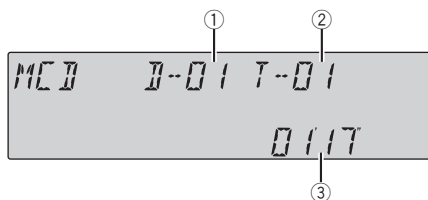
MULTI-CONTROL again. 

Multi-CD Player

Basic Operations

You can use this unit to control a multi-CD player, which is sold separately.

- Only functions described in this manual are supported by 50-disc multi-CD players.
- This unit is not designed to operate disc title list functions with a 50-disc multi-CD player. For information about the disc title list functions, refer to *Selecting discs from the disc title list* on page 49.



- ① Disc number indicator
- ② Track number indicator
- ③ Play time indicator

● Select a disc

Push **MULTI-CONTROL** up or down.

● Fast forward or reverse

Push and hold **MULTI-CONTROL** left or right.

● Select a track

Push **MULTI-CONTROL** left or right.



Notes

- When multi-CD player completes preparatory operations, **READY** is displayed.
- If an error message such as **ERROR-11** is displayed, refer to the multi-CD player owner's manual.
- If there are no discs in the multi-CD player magazine, **NO DISC** is displayed.

Using CD TEXT functions

You can use these functions only with a CD TEXT compatible multi-CD player.

The operation is the same as that of the built-in CD player.

Refer to *Displaying text information on disc* on page 13.

Available accessories

Introduction to advanced operations

You can only use **COMPRESSION** (compression and DBE) with a multi-CD player that supports them.

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL to select FUNCTION.

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn MULTI-CONTROL to select the function.

PLAY MODE (repeat play)—**RANDOM MODE** (random play)—**SCAN MODE** (scan play)—**PAUSE** (pause)—**COMPRESSION** (compression and DBE)—**ITS PLAY MODE** (ITS play)—**ITS MEMO** (ITS programming)—**TITLE INPUT** (disc title input)

- If you do not operate functions other than **ITS MEMO** and **TITLE INPUT** within about 30 seconds, the display automatically returns to the ordinary display.

- When playing a CD TEXT disc on a CD TEXT compatible multi-CD player, you cannot switch to **TITLE INPUT**. The disc title is already recorded on the CD TEXT disc.

Function and operation

PLAY MODE, RANDOM MODE, SCAN MODE, PAUSE and **TITLE INPUT** operations are basically the same as that of the built-in CD player.

Function name	Operation
PLAY MODE	Refer to <i>Selecting a repeat play range</i> on page 15. However, the repeat play ranges you can select are different from that of the built-in CD player. The repeat play ranges of the multi-CD player are: • M-CD REPEAT – Repeat all discs in the multi-CD player • TRACK REPEAT – Repeat just the current track • DISC REPEAT – Repeat the current disc
RANDOM MODE	Refer to <i>Playing tracks in random order</i> on page 15.
SCAN MODE	Refer to <i>Scanning folders and tracks</i> on page 15.
PAUSE	Refer to <i>Pausing playback</i> on page 16.
TITLE INPUT	Refer to <i>Entering disc titles</i> on page 16.



Notes

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the playback display, press **BAND**.
- If you select other discs during repeat play, the repeat play range changes to **M-CD REPEAT**.
- If you perform track search or fast forward/reverse during **TRACK REPEAT**, the repeat play range changes to **DISC REPEAT**.
- After track or disc scanning is finished, normal playback of the tracks begins again.

Using compression and bass emphasis

You can only use these functions with a multi-CD player that supports them.

COMP (compression) and DBE (dynamic bass emphasis) functions lets you adjust the sound playback quality of the multi-CD player.

1 Display the function menu.

Refer to *Introduction to advanced operations* on this page.

2 Use MULTI-CONTROL to select COMPRESSION in the function menu.

■ If the multi-CD player does not support COMP/DBE, **NO COMP** is displayed when you attempt to select it.

3 Press MULTI-CONTROL to select your favorite setting.

**COMP OFF—COMP 1—COMP 2—
COMP OFF—DBE 1—DBE 2**

Using ITS playlists

ITS (instant track selection) lets you make a playlist of favorite tracks from the multi-CD player magazine. After you have added your favorite tracks to the playlist, you can turn on ITS play and play just those selections. You can use ITS to enter and play back up to 99 tracks per disc from up to 100 discs (with the disc titles). (With multi-CD players sold before the CDX-P1250 and CDX-P650, up to 24 tracks can be stored in the playlist.)

Creating a playlist with ITS programming

1 Play a CD that you want to program.

Push **MULTI-CONTROL** up or down to select the CD.

2 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

3 Use MULTI-CONTROL to select ITS MEMO in the function menu.

4 Select the desired track by pushing MULTI-CONTROL left or right.

5 Push MULTI-CONTROL up to store the currently playing track in the playlist.

MEMORY COMPLETE is displayed and the currently playing selection is added to your playlist.

6 Press BAND to return to the playback display.



Note

After data for 100 discs is stored in memory, data for a new disc will overwrite the oldest one.

Playback from your ITS playlist

ITS play lets you listen to the tracks that you have entered into your ITS playlist. When you turn on ITS play, tracks from your ITS playlist in the multi-CD player begin to play.

1 Select the repeat range.

Refer to *Playing tracks in random order* on page 15.

2 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

3 Use MULTI-CONTROL to select ITS PLAY MODE in the function menu.

4 Press MULTI-CONTROL to turn ITS play on.

ITS PLAY appears in the display. Playback begins of those tracks from your playlist within the previously selected **M-CD REPEAT** or **DISC REPEAT** ranges.

■ If no tracks in the current range are programmed for ITS play, then **ITS EMPTY** is displayed.

■ To turn ITS play off, press **MULTI-CONTROL** again.

Erasing a track from your ITS playlist

You can delete a track from your ITS playlist if ITS play is on.

If ITS play is already on, skip to step 2. If ITS play is off, use **MULTI-CONTROL**.

1 Play the CD with the track you want to delete from your ITS playlist, and turn ITS play on.

Refer to *Playback from your ITS playlist* on this page.

2 Display the function menu.

Refer to *Introduction to advanced operations* on the previous page.

3 Use MULTI-CONTROL to select ITS MEMO in the function menu.

4 Select the desired track by pushing MULTI-CONTROL left or right.

Available accessories

5 Push **MULTI-CONTROL** down to erase the track from your ITS playlist.

The currently playing selection is erased from your ITS playlist and playback of the next track begins.

- If there are no tracks from your playlist in the current range, **ITS EMPTY** is displayed and normal playback resumes.

6 Press **BAND** to return to the playback display.

Erasing a CD from your ITS playlist

You can delete all tracks of a CD from your ITS playlist if ITS play is off.

1 Play the CD that you want to delete.

Push **MULTI-CONTROL** up or down to select the CD.

2 Display the function menu.

Refer to *Introduction to advanced operations* on page 47.

3 Use **MULTI-CONTROL** to select ITS MEMO in the function menu.

4 Push **MULTI-CONTROL** down to erase all tracks on the currently playing CD from your ITS playlist.

All tracks on the currently playing CD are deleted from your playlist and **MEMORY DELETED** is displayed.

5 Press **BAND** to return to the playback display.

Using disc title functions

You can input CD titles and display the titles. Then, you can easily search for and play a desired disc.

Entering disc titles

Use the disc title input feature to store up to 100 CD titles (with ITS playlist) into the multi-CD player. Each title can be up to 10 characters long.

For details concerning operation, refer to *Entering disc titles* on page 16.

- Titles remain in the memory even after the disc is removed from the magazine, and are recalled when the disc is reinserted.
- After data for 100 discs is stored in memory, data for a new disc will overwrite the oldest one.

Displaying disc titles

● Press **DISP** to select the desired text information.

• For title entered **CD**

Play time—disc title and play time

• For **CD TEXT** discs

Play time—disc artist name and track title
—disc artist name and disc title—disc title and track title—track artist name and track title—track title and play time

Selecting discs from the disc title list

Disc title list lets you see the list of disc titles entered in the multi-CD player and select one of them to play back.

1 Press **LIST** to switch to the disc title list mode during the playback display.

2 Use **MULTI-CONTROL** to select the desired disc title.

Turn to change the disc title. Press to play.

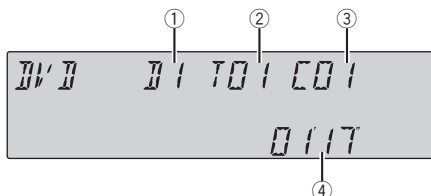
- You can also change the disc title by pushing **MULTI-CONTROL** up or down.
- When playing CD TEXT disc, push **MULTI-CONTROL** right to see a list of the tracks in the selected disc. Push **MULTI-CONTROL** left to return to the disc list.
- If no title is entered for a disc, **NO TITLE** is displayed.
- **NO DISC** is displayed next to the disc number when there is no disc in the magazine.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display. 

DVD Player

Basic Operations

You can use this unit to control a DVD player or multi-DVD player, which is sold separately.

For details concerning operation, refer to the DVD player's or multi-DVD player's operation manual. This section provides information on DVD operations with this unit which differs from that described in the DVD player's or multi-DVD player's operation manual.



- ① Disc number indicator
Shows the number of the disc currently playing when using a multi-DVD player.
- ② Title/Folder number indicator
Shows the title (when playing DVD video) or folder (when playing compressed audio) of the selection currently playing.
- ③ Chapter/track number indicator
Shows the chapter (when playing DVD video) or track (when playing Video CD, CD or compressed audio) currently playing.
- ④ Play time indicator

● Select a chapter/track

Push **MULTI-CONTROL** left or right.

● Fast forward or reverse

Push and hold **MULTI-CONTROL** left or right.

- When playing compressed audio, there is no sound on fast forward or reverse.

● To skip back or forward to another chapter/track, push **MULTI-CONTROL** left or right.

Selecting a disc

- You can operate this function only when a multi-DVD player is connected to this unit.
- Push **MULTI-CONTROL** up or down.

Selecting a folder

- You can operate this function only when a DVD player compatible with compressed audio playback is connected to this unit.
- Push **MULTI-CONTROL** up or down to select a folder.

Introduction to advanced operations

1 Press **MULTI-CONTROL to display the main menu.**

2 Use **MULTI-CONTROL to select FUNCTION.**

Turn to change the menu option. Press to select.

The function menu is displayed.

3 Turn **MULTI-CONTROL to select the function.**

During DVD video or Video CD playback
PLAY MODE (repeat play)—**PAUSE** (pause)

During CD playback
PLAY MODE (repeat play)—**RANDOM MODE** (random play)—**SCAN MODE** (scan play)—**PAUSE** (pause)—**ITS PLAY MODE** (ITS play)—**ITS MEMO** (ITS input)—**TITLE INPUT** (disc title input)

During compressed audio playback
PLAY MODE (repeat play)—**RANDOM MODE** (random play)—**SCAN MODE** (scan play)—**PAUSE** (pause)

- You can also select the function by pressing **FUNCTION** on the remote control.
- To return to the playback display, press **BAND**.
- If you do not operate functions except for **ITS MEMO** and **TITLE INPUT** within about 30 seconds, the display is automatically returned to the ordinary display.

Function and operation

PLAY MODE, RANDOM MODE, SCAN MODE, PAUSE and **TITLE INPUT** operations are basically the same as that of the built-in CD player. Also, **ITS PLAY MODE** and **ITS MEMO** operations are basically the same as that the multi-CD player.

Available accessories

Function name	Operation
PLAY MODE	Refer to <i>Selecting a repeat play range</i> on page 15. But the repeat play range that you can select is vary depending on the type of disc or system. The repeat play ranges of the DVD player/multi-DVD player are as below: During PBC playback of Video CDs, this function cannot be operated. • DISC REPEAT – Repeat the current disc • FOLDER REPEAT – Repeat the current folder • TITLE REPEAT – Repeat just the current title • CHAPTER REPEAT – Repeat just the current chapter • TRACK REPEAT – Repeat the current track
RANDOM MODE	Refer to <i>Playing tracks in random order</i> on page 15.
SCAN MODE	Refer to <i>Scanning folders and tracks</i> on page 15.
PAUSE	Refer to <i>Pausing playback</i> on page 16.
ITS PLAY MODE	Refer to <i>Using ITS playlists</i> on page 48.
ITS MEMO	Refer to <i>Using ITS playlists</i> on page 48.
TITLE INPUT	Refer to <i>Entering disc titles</i> on page 16.



Notes

- If you select other discs during repeat play, the repeat play range changes to **DISC REPEAT**.
- When playing back Video CD or CD, if you perform track search or fast forward/reverse during **TRACK REPEAT**, the repeat play range changes to **DISC REPEAT**.
- When playing back compressed audio, if you select another folder during repeat play, the repeat play range changes to **DISC REPEAT**.
- When playing back compressed audio, if you perform track search or fast forward/reverse

during **TRACK REPEAT**, the repeat play range changes to **FOLDER REPEAT**.

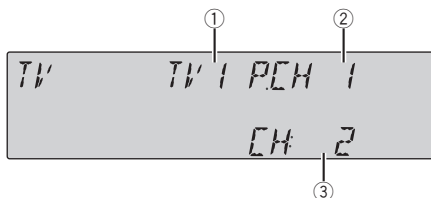
- Multi-DVD player that has ITS functions and disc title functions can also be connected to this unit. In this case, **ITS PLAY MODE**, **ITS MEMO** and disc title input can be controlled.
- The ITS function of a DVD player differs slightly from ITS playback with a multi-CD player. With multi-DVD player, ITS playback applies only to the CD playing. For details, refer to *Using ITS playlists* on page 48. ■

TV tuner

Basic Operations

You can use this unit to control a TV tuner, which is sold separately.

For details concerning operation, refer to the TV tuner's operation manual. This section provides information on TV operations with this unit, which differs from that described in the TV tuner's operation manual.



- ① Band indicator
- ② Preset number indicator
- ③ Channel indicator

● Select a band

Press **BAND**.

● Select a channel (step by step)

Push **MULTI-CONTROL** left or right.

● Seek tuning

Push and hold **MULTI-CONTROL** left or right, and then release.



Notes

- Band can be selected from **TV1** or **TV2**.
- You can cancel seek tuning by pushing **MULTI-CONTROL** left or right.
- While pushing and holding **MULTI-CONTROL** left or right, you can skip stations. Seek tuning starts as soon as you release **MULTI-CONTROL**.

Storing and recalling broadcast stations

You can easily store up to 12 broadcast stations for later recall.

- 12 stations for each band can be stored in memory.

1 Press LIST.

Preset screen is displayed.

2 Use MULTI-CONTROL to store the selected station in memory.

Turn to change the preset number. Press and hold to store.

- You can also store the station in memory by pushing and holding **MULTI-CONTROL** right.

3 Use MULTI-CONTROL to select the desired station.

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Storing the strongest broadcast stations sequentially

1 Press MULTI-CONTROL to display the main menu.

2 Use MULTI-CONTROL and select FUNCTION to display BSSM.

- You can also select the function by pressing **FUNCTION** on the remote control.

3 Press MULTI-CONTROL to turn BSSM on.

SEARCHING begins to flash. While **SEARCHING** is flashing, the 12 strongest broadcast stations are stored in order from the lowest channel up. When finished, the preset channel list appears.

- To cancel the storage process, press **MULTI-CONTROL** again.

4 Use MULTI-CONTROL to select the desired station.

Turn to change the station. Press to select.

- You can also change the station by pushing **MULTI-CONTROL** up or down.
- To return to the ordinary display, press **BAND**.
- If you do not operate the list within about 30 seconds, the display automatically returns to the ordinary display.

Additional Information

Error messages

When you contact your dealer or your nearest Pioneer Service Center, be sure to have the error message recorded.

Built-in CD Player

Message	Cause	Action
ERROR-11, 12, 17, 30	Dirty disc	Clean disc.
ERROR-11, 12, 17, 30	Scratched disc	Replace disc.
ERROR-10, 11, 12, 15, 17, 30, A0	Electrical or mechanical	Turn the ignition switch OFF and back ON, or switch to a different source, then back to the CD player.
ERROR-15	The inserted disc does not contain any data	Replace disc.
ERROR-22, 23	The CD format cannot be played back	Replace disc.
NO AUDIO	The inserted disc does not contain any files that can be played back	Replace disc.
TRK SKIPPED	The inserted disc contains WMA files that are protected by DRM	Replace disc.
PROTECT	All the files on the inserted disc are secured by DRM	Replace disc.

USB audio player/USB memory

Message	Cause	Action
NO AUDIO	No songs	Transfer the audio files to the USB portable audio player/USB memory and connect.
	USB memory with security enabled is connected	Follow the USB memory instructions to disable the security.
	No songs	Transfer the songs to iPod.

TRK SKIPPED	The connected USB portable audio player/USB memory contains WMA files that are protected by Windows Media DRM 9/10	Play an audio file not protected by Windows Media DRM 9/10.
PROTECT	All the files on the connected USB portable audio player/USB memory are protected by Windows Media DRM 9/10	Transfer audio files not protected by Windows Media DRM 9/10 to the USB portable audio player/USB memory and connect.
N/A USB	The USB device connected to is not supported by this unit.	Connect a USB portable audio player or USB memory that is USB Mass Storage Class compliant.
CHECK USB	The USB connector or USB cable is short-circuited.	Confirm that the USB connector or USB cable is not caught in something or damaged.
	The connected USB portable audio player/USB memory consumes more than 500 mA (maximum allowable current).	Disconnect the USB portable audio player/USB memory and do not use it. Turn the ignition switch to OFF, then to ACC or ON and then connect the compliant USB portable audio player/USB memory.

Additional Information

ERROR-19	Communication failure	Perform one of the following operations. -Turn the ignition switch OFF and back ON. -Disconnect the USB portable audio player/USB memory. -Change to a different source. Then, return to the USB portable audio player/USB memory.
ERROR-23	USB device is not formatted with FAT16 or FAT32	USB device should be formatted with FAT16 or FAT32.

iPod

Message	Cause	Action
ERROR-19	Communication failure	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.
	iPod failure	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.
N/A USB	Old version of iPod	Update the iPod version.
	iPod failure	Reset the iPod.
ERROR-16	Old version of iPod	Update the iPod version.
	iPod failure	Disconnect the cable from iPod. Once iPod main menu is displayed, connect the cable again. Reset the iPod.

ERROR-A1 CHECK USB	iPod is not charged but operates correctly	Check if the connection cable for iPod shorted out (e.g., not caught in metal objects). After checking, turn the ignition switch OFF and back ON or disconnect the iPod and connect again.
NO SONGS	No songs	Transfer the songs to iPod.
STOP	No songs in the current list	Select a list that contains the songs.



Handling guideline of discs and player

- Use only discs featuring either of following two logos.



- Use only conventional, fully circular discs. Do not use shaped discs.



- Use 12-cm or 8-cm CD. Do not use an adapter when playing 8-cm CDs.
- Do not insert anything other than a CD into the CD loading slot.
- Do not use cracked, chipped, warped, or otherwise damaged discs as they may damage the player.
- Unfinalized CD-R/CD-RW disc playback is not possible.
- Do not touch the recorded surface of the discs.
- Store discs in their cases when not in use.

Additional Information

- Avoid leaving discs in excessively hot environments including under direct sunlight.
- Do not attach labels, write on or apply chemicals to the surface of the discs.
- To clean a CD, wipe the disc with a soft cloth outward from the center.
- Condensation may temporarily impair the player's performance. Leave it to adjust to the warmer temperature for about one hour. Also, wipe any dump discs with a soft cloth.
- Playback of discs may not be possible because of disc characteristics, disc format, recorded application, playback environment, storage conditions, and so on.
- Text information may not be correctly displayed depending on the recorded environment.
- Road shocks may interrupt disc playback.
- Read the precautions for discs before using them. ■

Dual Discs

- Dual Discs are two-sided discs that have a recordable CD for audio on one side and a recordable DVD for video on the other.
- Since the CD side of Dual Discs is not physically compatible with the general CD standard, it may not be possible to play the CD side with this unit.
- Frequent loading and ejecting of a Dual Disc may result in scratches on the disc. Serious scratches can lead to playback problems on this unit. In some cases, a Dual Disc may become stuck in the disc loading slot and will not eject. To prevent this, we recommend you refrain from using Dual Disc with this unit.
- Please refer to the information from the disc manufacturer for more detailed information about Dual Discs. ■

Compressed audio compatibility

WMA

- Compatible format: WMA encoded by Windows Media Player
- Bit rate: 48 kbps to 320 kbps (CBR), 48 kbps to 384 kbps (VBR)
- Sampling frequency: 32 kHz to 48 kHz
- Windows Media Audio 9 Professional, Lossless, Voice: No

MP3

- Bit rate: 8 kbps to 320 kbps
- Sampling frequency: 16 kHz to 48 kHz (32, 44.1, 48 kHz for emphasis)
- Compatible ID3 tag version: 1.0, 1.1, 2.2, 2.3, 2.4 (ID3 tag Version 2.x is given priority than Version 1.x.)
- M3u playlist: No
- MP3i (MP3 interactive), mp3 PRO: No

AAC

- Compatible format: AAC encoded by iTunes®
- Sampling frequency: 11.025 kHz to 48 kHz
- Transmission rate: 16 kbps to 320 kbps
- Apple Lossless: No

WAV

- Compatible format: Linear PCM (LPCM), MS ADPCM
- Quantization bits: 8 and 16 (LPCM), 4 (MS ADPCM)
- Sampling frequency: 16 kHz to 48 kHz (LPCM), 22.05 kHz to 44.1 kHz (MS ADPCM) ■

Compressed audio files on the disc

- Depending on the version of Windows Media Player used to encode WMA files, album names and other text information may not be correctly displayed.

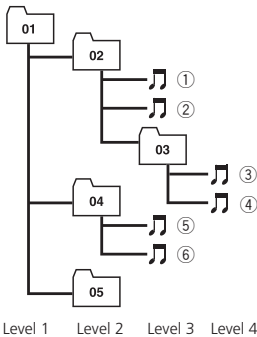
Additional Information

- There may be a slight delay when starting playback of WMA/AAC files encoded with image data.
- ISO 9660 Level 1 and 2 compliant. Romeo and Joliet file systems are both compatible with this player.
- Multi-session playback is possible.
- Compressed audio files are not compatible with packet write data transfer.
- Only 64 characters from the beginning can be displayed as a file name (including the extension such as .wma, .mp3, .m4a or .wav) or a folder name.
- Folder selection sequence or other operation may be altered depending on the encoding or writing software.
- Regardless of the length of blank section between the songs of original recording, compressed audio discs play with a short pause between songs.
- File extensions such as .wma, .mp3, .m4a or .wav must be used properly.
- Only 32 characters from the beginning can be displayed as a file name (including the extension such as .wma, .mp3, .m4a or .wav) or a folder name when using Russian text.

Example of a hierarchy

 Folder

 Compressed audio file



- This unit assigns folder numbers. The user cannot assign folder numbers.
- Folder hierarchy is allowed up to eight tiers. However, a practical hierarchy of folder is less than two tiers.
- Up to 99 folders on a disc can be played back. 

USB audio player/USB memory

USB audio player/USB memory compatibility

- USB version: 2.0, 1.1 and 1.0
- USB data transfer rate: full speed
- USB Class: MSC (Mass Storage Class) device
- Protocol: bulk
- Minimum amount of memory: 250 MB
- Maximum amount of memory: 250 GB
- File system: FAT32 and FAT16
- Supply current: 500 mA



Notes

- Partitioned USB memory is not compatible with this unit.
- Depending on the kind of USB portable audio player/USB memory you use, this unit may not recognize the USB audio player/USB memory or audio files may not be played back properly.
- This unit can play back files in the USB portable audio player/USB memory that is USB Mass Storage Class. However, copyright protected files that are stored in above-mentioned USB devices cannot be played back. (If the iPod is connected to this unit, file playback condition depends on the iPod specifications.)
- You cannot connect a USB portable audio player/USB memory to this unit via a USB hub.

Additional Information

Handling guideline and supplemental information

- Do not leave the USB portable audio player/USB memory in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in USB portable audio player/USB memory malfunction due to the resulting high temperature.
- Do not leave the USB portable audio player/USB memory in high temperature.
- Firmly secure the USB portable audio player/USB memory when driving. Do not let the USB portable audio player/USB memory fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- There may be a slight delay when starting playback of audio files encoded with image data.
- Depending on the USB devices connected to this unit, it may generate noise in the radio.
- Only 32 characters from the beginning can be displayed as a file name (including the extension) or a folder name when USB portable audio player/USB memory is selected as a source.
- The text information of some audio files may not be correctly displayed.
- File extensions must be used properly.
- Up to 15 000 files on a USB portable audio player/USB memory can be played back.
- Up to 500 folders on a USB portable audio player/USB memory can be played back.
- Up to eight tiers directory on a USB portable audio player/USB memory can be played back.
- There may be a slight delay when starting playback of audio files on a USB portable audio player/USB memory with numerous folder hierarchies.
- Do not connect anything other than the USB portable audio player/USB memory.

- Operations may vary depending on the kind of USB audio player and a USB memory.

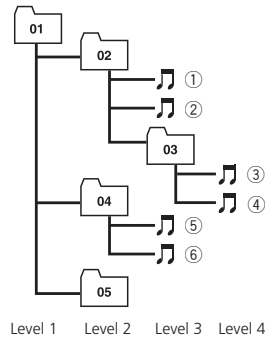
The sequence of audio files on USB memory

For USB portable audio players, the sequence is different from that of USB memory and depends on the player.

Example of a hierarchy

Folder

Compressed audio file



- 01 to 05 represent assigned folder numbers. ① to ⑥ represent the playback sequence. The user cannot assign folder numbers and specify the playback sequence with this unit.
- Playback sequence of the audio file is the same as recorded sequence in the USB device.
- To specify the playback sequence, the following method is recommended.
 - 1 Create the file name including numbers that specify the playback sequence (e.g., 001xxx.mp3 and 099yyy.mp3).
 - 2 Put those files into a folder.
 - 3 Record the folder containing files into the USB device.

However, depending on the system environment, you cannot specify the file playback sequence. ■

Additional Information

iPod

About handling the iPod

- Do not leave the iPod in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPod malfunction due to the resulting high temperature.
- Do not leave the iPod in a high temperature.
- Connect directly the dock connector cable to the iPod so that this unit works properly.
- Firmly secure the iPod when driving. Do not let the iPod fall onto the floor, where it may become jammed under the brake or accelerator pedal.
- For details, refer to the iPod's manuals.

About iPod settings

- You cannot operate the iPod Equalizer on Pioneer products. We recommend that you set the iPod Equalizer to off, before connecting to this unit.
- You cannot set Repeat to off on the iPod when using this unit. Even if you set Repeat to off on the iPod, Repeat is automatically changed to All when connecting the iPod to this unit. 

Additional Information

Specifications

General

Power source	14.4 V DC (12.0 V to 14.4 V allowable)
Grounding system	Negative type
Max. current consumption	10.0 A
Dimensions (W × H × D):	
D	
Chassis	178 mm × 100 mm × 160 mm
Nose	170 mm × 94 mm × 8 mm
Weight	1.7 kg

Audio

Maximum power output	50 W × 4
	50 W × 2/4 Ω + 70 W × 1/2 Ω (for subwoofer)
Continuous power output	22 W × 4 (50 Hz to 15 000 Hz, 5% THD, 4 Ω load, both channels driven)
Load impedance	4 Ω to 8 Ω × 4
	4 Ω to 8 Ω × 2 + 2 Ω × 1
Preout max output level	4 V
Equalizer (7-Band Graphic Equalizer):	
Frequency	50/125/315/800/2k/5k/12.5k Hz
Gain	±12 dB
HPF:	
Frequency	50/63/80/100/125 Hz
Slope	-12 dB/oct
Subwoofer (mono):	
Frequency	50/63/80/100/125 Hz
Slope	-18 dB/oct
Gain	+6 dB to -24 dB
Phase	Normal/Reverse
Bass boost:	
Gain	+12 dB to 0 dB

CD player

System	Compact disc audio system
Usable discs	Compact disc
Signal-to-noise ratio	94 dB (1 kHz) (IEC-A network)
Number of channels	2 (stereo)
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio)
	(Windows Media Player)
AAC decoding format	MPEG-4 AAC (iTunes® encoded only) (.m4a)
	(Ver. 7.2 and earlier)

WAV signal format	Linear PCM & MS ADPCM (Non-compressed)
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USB

Specification	USB 2.0 full speed
Supply current	500 mA
Maximum amount of memory	250 GB
File system	FAT16, FAT32
MP3 decoding format	MPEG-1 & 2 Audio Layer 3
WMA decoding format	Ver. 7, 7.1, 8, 9, 10, 11 (2ch audio)
	(Windows Media Player)
AAC decoding format	MPEG-4 AAC (iTunes® encoded only) (.m4a)
	(Ver. 7.2 and earlier)
WAV signal format	Linear PCM & MS ADPCM (Non-compressed)

FM tuner

Frequency range	87.5 MHz to 108.0 MHz
Usable sensitivity	8 dBf (0.7 μ V/75 Ω , mono, S/N: 30 dB)
Signal-to-noise ratio	75 dB (IEC-A network)

AM tuner

Frequency range	531 kHz to 1 602 kHz (9 kHz)
	530 kHz to 1 640 kHz (10 kHz)
Usable sensitivity	18 μ V (S/N: 20 dB)
Signal-to-noise ratio	65 dB (IEC-A network)

Infrared remote control

Wavelength	940 nm ±50 nm
Output	typ: 12 mw/sr per Infrared LED



Note

Specifications and the design are subject to modifications without notice due to improvements. ■

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